配布許可印

ニコンカメラサービス部 GM

Nikon 35Ti FCA 22001

QUARTZ DATE

REPAIR MANUAL

修　理　指　針

Nikon | NIKON CORPORATION
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Specifications

1. OUTLINE ---------- M 1

2. REQUIRED TIME FOR FILM ADVANCE/REWIND OPERATION ---------- M 1

3. WARNING MESSAGE DISPLAY ---------- M 2

4. OPERATION IN SB MODES ---------- M 2

5. ACTUAL DISTANCE RANGE OF DISTANCE INDICATORS ---------- M 3

6. DATA IMPRINTING SEQUENCE ---------- M 3

AE program chart ---------- M 4

AE range chart ---------- M 5

7. PROCEDURES FOR MANUAL TEST ---------- M 6

SPECIFICATIONS

1. OUTLINE

(1)Shopoting disatnce range : 0.4m to infinity
(2)Light Measuring Sensor : SPD with a 6-area metering system
(3)Exposure control range : EV2 to 17 at ISO 100
(4)EV level for auto flash operation : EV9 or lower (at ISO≦200)
(5)Guide Number of flash : 9(ISO 100, in meter)
(6)AF control pulse : 833 pulses
(7)Base length : 30mm
(8)Metering range : BV -3 TO 12
(9)Time exposure limit : Max. 10 min.
(10)Illuminators for viewfinder and analogue display
① In Auto mode : Only the LED illuminator for the viewfinder information lights up automatically when ambiant light reaches BV 2.0 or lower.
② In Manual mode : By switching on the S3 button (Self-timer/illuminator button), two illuminators light up according to ambient light conditions as in the following table.

	Viewfinder	Analog Displa
2<BV	Lights up with high output	Does not light up
0<BV≦2	Lights up with low output	Does not light up
BV≦0	Lights up with low output	Lights up

2. REQUIRED TIME FOR FILM ADVANCE/REWIND OPERATION

OPERATION	TIME
Malfunction of auto film loading	Malfunction of film loading occurs when PI pulse (FPS) is not generated in 5sec.
Film winding	180 edges per frame
SAuto film rewindig	The automatic film rewinding starts when: ① Winding by one edge is not completed within 2 seconds, or ② The camera winds for 0.5 sec. after the 37th frame has been taken.
Auto film rewind stops	By a rewinding timer: At MANUAL rewind ---- 8 sec./edge At MANUAL rewind ---- 8 sec./edge
Manual rewinding	By turning on the manual rewinding switch
Fork becomes free after the completion of film rewind	Film rewind motor turns normally for 0.5 sec. after the completion of film rewind operation.

3. WARNING MESSAGE DISPLAY

ITEMS	MESSAGE
No film loaded	"E" mark turns on after blinking 6 sec. (2Hz)
Auto loading error	"E" mark turns on after blinking 6 sec. (2Hz)
Lens barrel stops abnormally	If no pulse is generated for 1 sec. during lens barrel movement, all viewfinder and data back LCD blink. (2Hz)
Out of mimimum focusing distance	The AF mark in the viewfinder LCD blinks. (2Hz) The analogue pointer stops in the red area.
Weak battery power	The warning mark blinks (2Hz)
Out of AE metering range	For over-exposure, "H" in viewfinder LCD blinks. (2Hz) For under-exposure, "L" blinks. (2Hz)
Flash not fully chatged	While keeping the release button pressed halfway, the arrow mark blinks. (4Hz)

4. OPERATION IN SB MODES

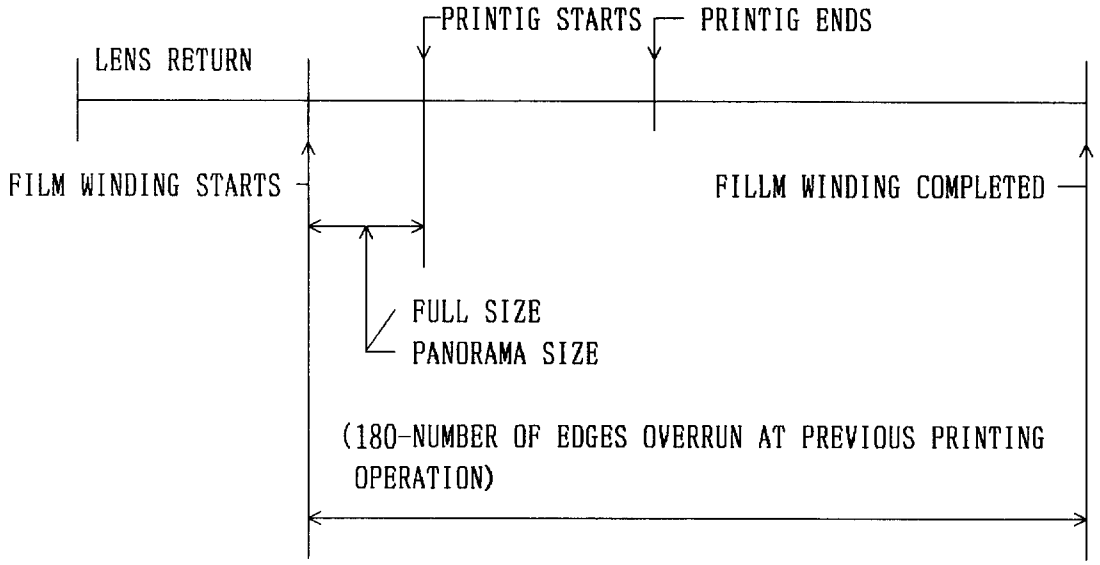
MODE	FUNCTION	CANCEL TIME
Auto Flash (AUTO)	Flash mode is automatically selected when LV is lower than 10.	1/30 sec.
Flash cancellation	No flash fires regardless of subject brightness.	2 sec.
Anytime flash (including Slow Sync Flash)	Flash always fires regardless of subject brightness. Controlling -1 EV in daylight sync mode.	1/30 sec. 1/4 sec.
Red eye reduction	Red eye reduction lamp lights up when BV is lower than 4.5.	

** Recharging stops when a predetermined voltage cannot be obtained within 20 sec. (NL1 -> on)

5. ACTUAL DISTANCE RANGE OF DISTANCE INDICATORS

Analogue Indicator	M/F distance	Distance Range	Analogue Indicator	M/F distance	Distance Range
Triangle	45 (m)	Infinity	·	1.5	1.35～1.7
·	11	8～	1	1	0.95～1.35
5	5	4.6 ～ 8.0	·	0.85	0.77～0.95
·	4	3.3 ～ 4.6	0.7	0.7	0.63～0.77
3	3	2.8 ～ 3.3	·	0.55	0.5～0.63
·	2.5	2.2 ～ 2.8	0.4	0.4	0.39～0.5
2	2	1.7 ～ 2.2	□	0.4	0.35～0.39

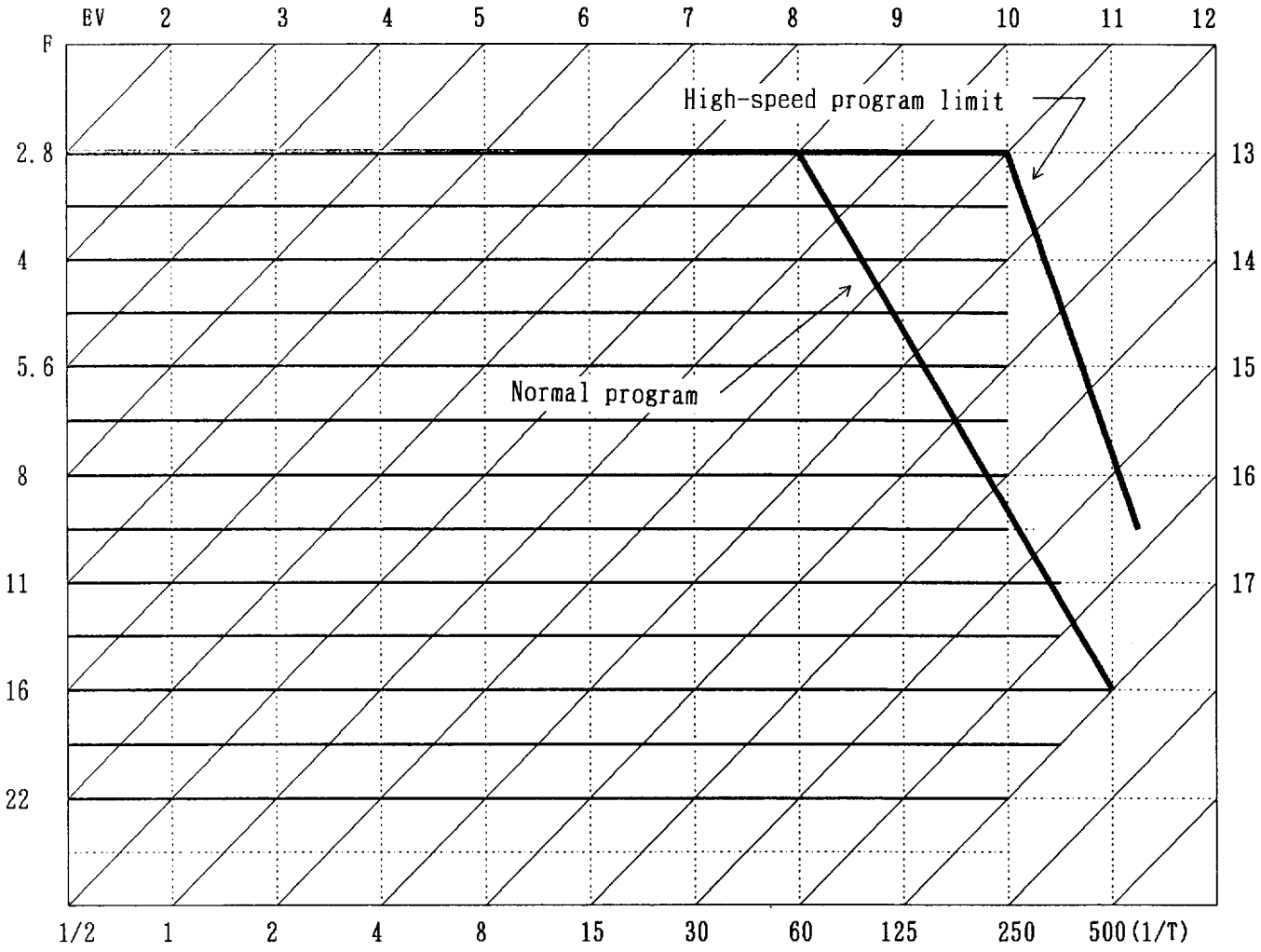
6. DATA IMPRINTING SEQUENCE



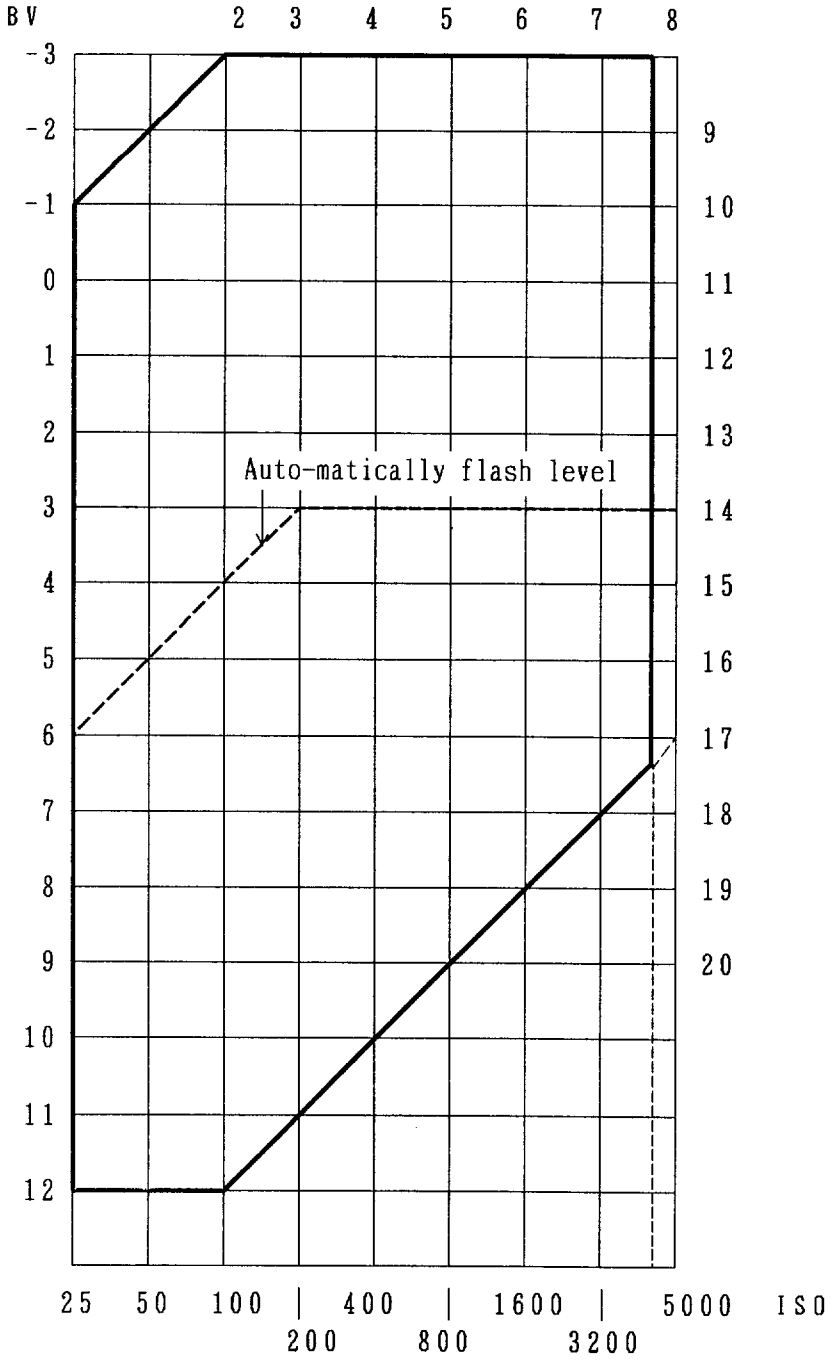
PRINTING TIME

ISO	TIME	ISO	TIME
25≦ISO ≦50	160μS	250 ≦ISO ≦320	80μS
64≦ISO ≦100	160μS	400 ≦ISO ≦800	40μS
125 ≦ISO ≦200	80μS	1000≦ISO	20μS

AE program chart



AE range chart



7. PPROCEDURES FOR mNUAL TESR

(1) SELECTOR MODE

[0 0 **] Film counter number is displayed in **.
[1 0 **] Film speed as in the following table (Data value) is displayed in **.
[2 * **] EV is displayed in ***. (EV = Displayed data/12)
[3 ** **] Metered distance data by AF IC is displayed in ****.

(Data in the table below are only for reference purposes.)

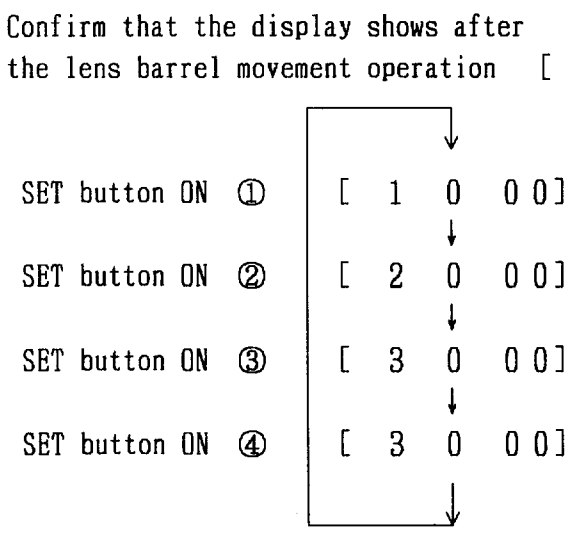
ISO	Disply data	ISO	Disply data
Non DX	0	400	18
25	6	500	19
32	7	640	20
40	8	800	21
50	9	1000	22
64	10	1250	23
80	11	1600	24
100	12	2000	25
125	13	2500	26
160	14	3200	27
200	15	4000	28
250	16	5000	29
320	17		

測距値 (m)	Disply data (pluse)
0. 4	749
1. 0	401
1. 5	327
2. 0	291
2. 5	269
3. 0	255
3. 5	245
4. 0	237
4. 5	231
5. 0	227
∞ (45.0)	189

(2) HOW TO ENTER THE MANUAL MODE

Confirm that Power is off
↓
Turn the selector dial to "P" position, while keeping the SET button pressed.
↓
Confirm that the display shows (00 0 00) with the two on left side blinking.
↓
Keep pressing AF button without operating any other switches.
↓
Confirm that the display shows (00 0 00) with no segments blinking.
↓
Move the lens barrel by pressing several times MODE or SET button, and confirm the dispaly (00 0 00).
↓
select a number of desired mode by pressing SET button.
↓
The data will be displayed by pressing the release button halfway.

NOTE:
The selector mode number (00 0 00) can be pbtained generally only after the lens barrel movement operation is done. However, it is also possible to have this (00 0 00) mode by pressing the release button halfway when you reach (3 0 00) in the loop of modes. Please refer to the diagram below.


Confirm that the display shows after
the lens barrel movement operation [0 0 0 0]
SET button ON ①
[1 0 0 0]
SET button ON ②
[2 0 0 0]
SET button ON ③
[3 0 0 0]
SET button ON ④
[3 0 0 0]

(3) HOW TO CANCEL MANUAL TEST MODE

To cancel manual test mode, turn the selector dial to "OFF" position.

DISASSEMBLING

1. Disassembling to rear body and lens barrel unit

Bottom cover ---------- D 1
Leatherette ---------- D 1
Top cover ---------- D 2
Mode set unit, camera back ---------- D 2
Side cover, discharging of the main condenser ---------- D 3
Front cover ---------- D 3
Viewfinder group, LCD unit ---------- D 4
Main FPC ---------- D 5
Camera back lock releases ---------- D 6
Flash base plate unit ---------- D 7
Removing lens barrel unit ---------- D 7

2. Rear body

W/R motor group, W/R gear group ---------- D 8
Panorama lever group ---------- D 9
Date module unit, panorama unit ---------- D 9

3. Lens helicoid

AF unit ---------- D 10
Lens cover unit, joint gear group ---------- D 10
Helicoid gear unit ---------- D 11
Lens barrel group ---------- D 11
Name ring ---------- D 12
Shutter unit, front lens, rear lens, helicoid ---------- D 12

DISASSEMBLING

Note : ① Remove batterise before disassembling.

② When disassembling, pay attention to the wire arrangement and mounting positions and types of screws to be removed.

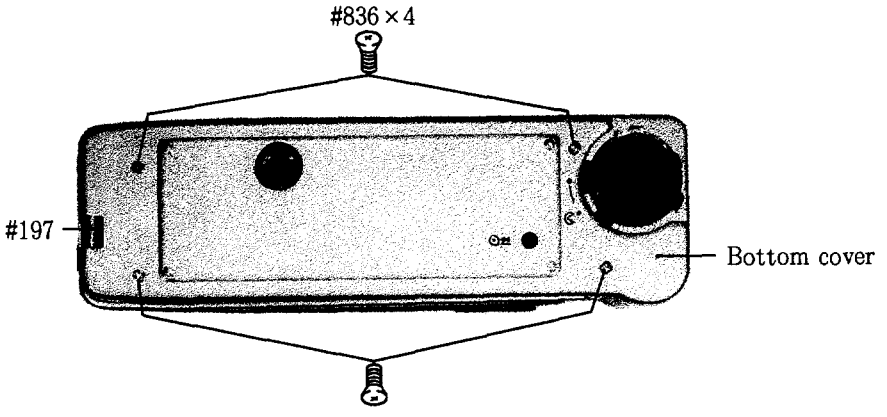
③ Be sure you are grounded when holding main FPC because static electricity exerts serious adverse effects on ICs.

④ The tone of pictures may be different from actual one. Make sure of the shape of parts when disassembling and reassembling.

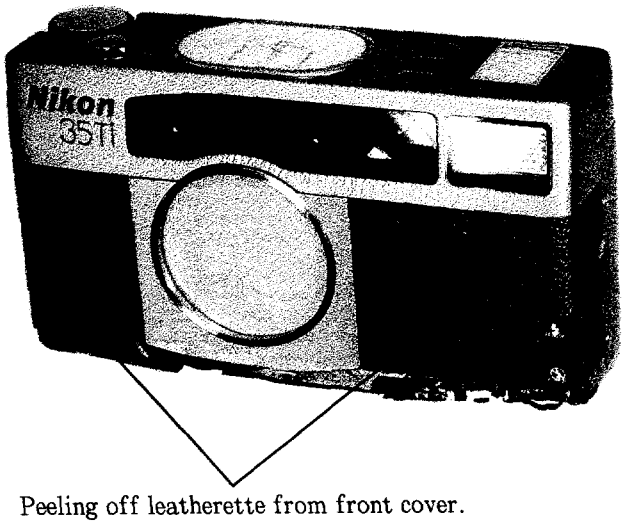
⑤ When removing gears, make sure to distinguish the front and back sides.

1 . DISASSEMBLING TO REAR BODY AND LENS BARREL UNIT

BOTTOM COVER

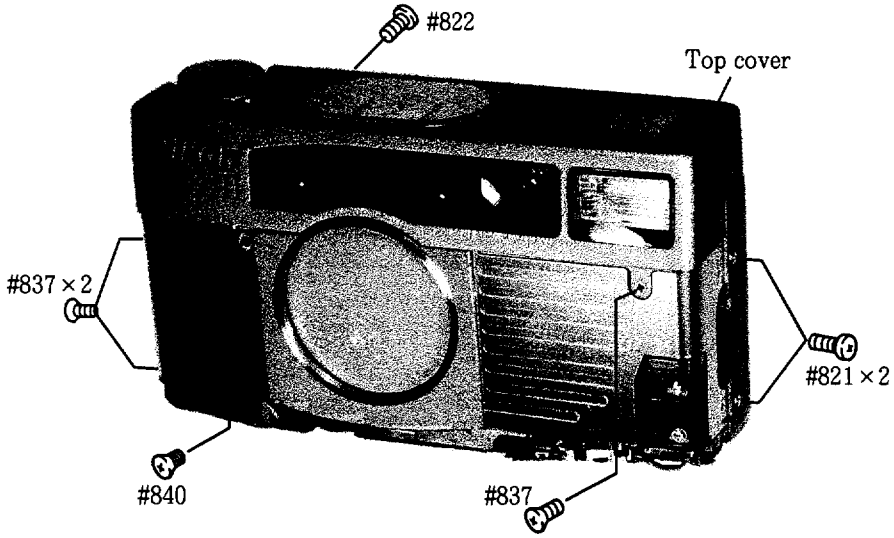


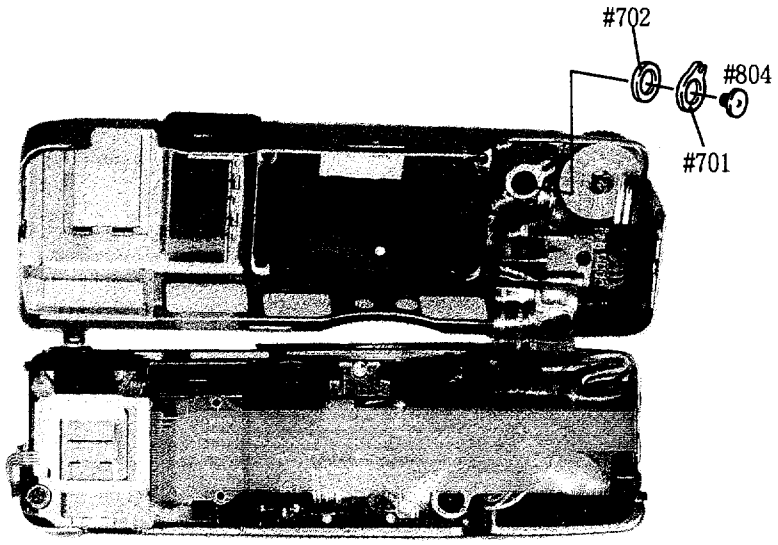
LEATHERETTE



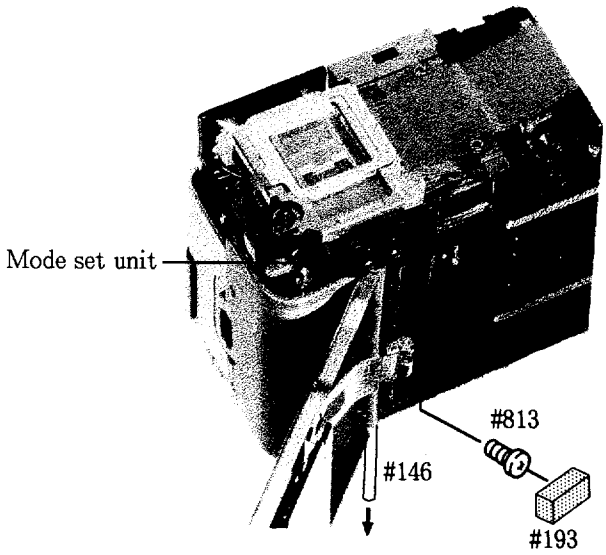
Peeling off leatherette from front cover.

TOP COVER

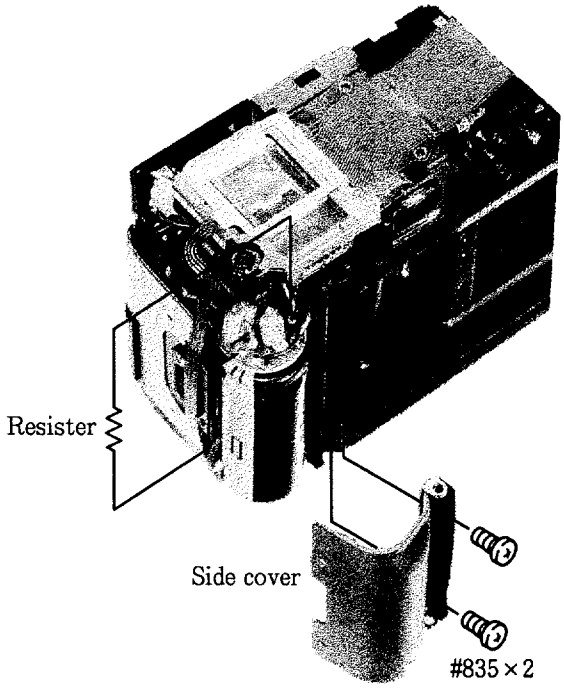




MODE SET UNIT, CAMERA BACK

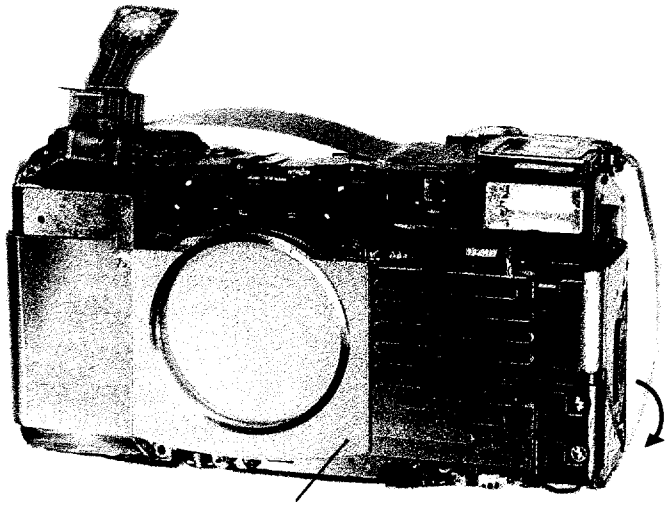


SIDE COVER, DISCHARGING OF THE MAIN CONDENSER



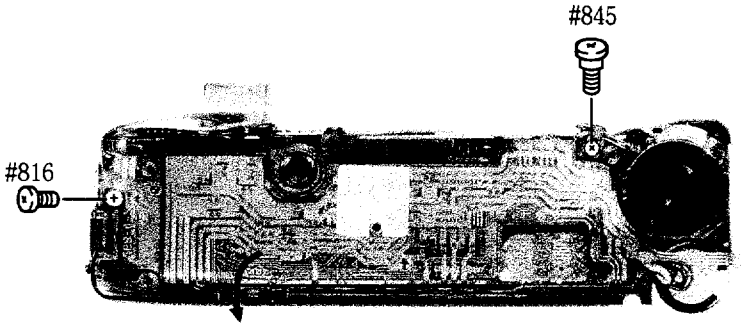
- Discharge the main condenser it the both sides.
- Use 2KΩ／5Wresister to discharged.

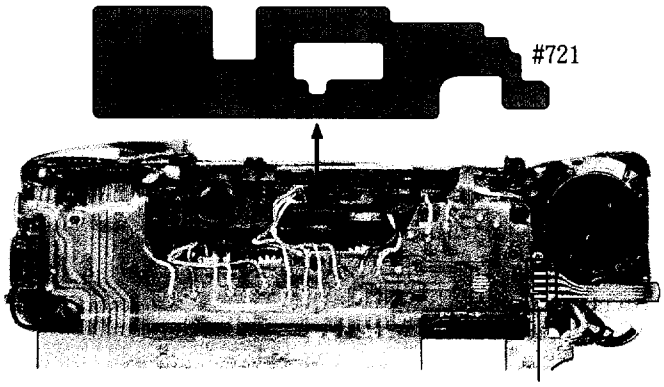
FRONT COVER



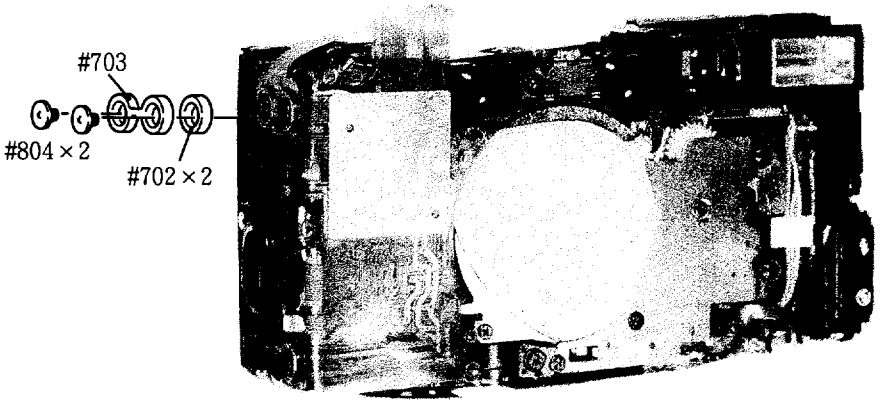
Remove this part while lifting it up.

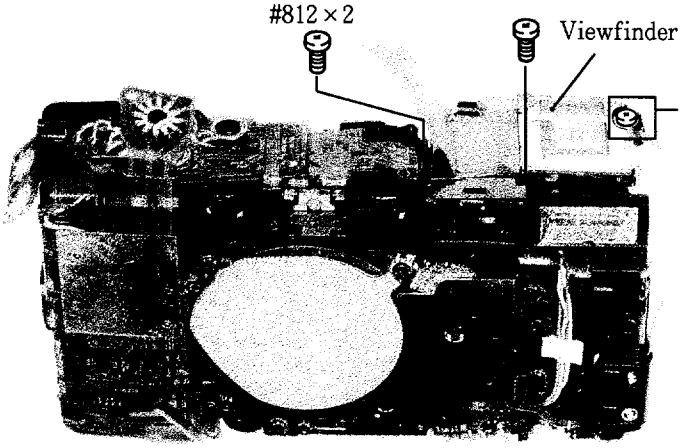
VIEWFINDER GROUP, LCD UNIT



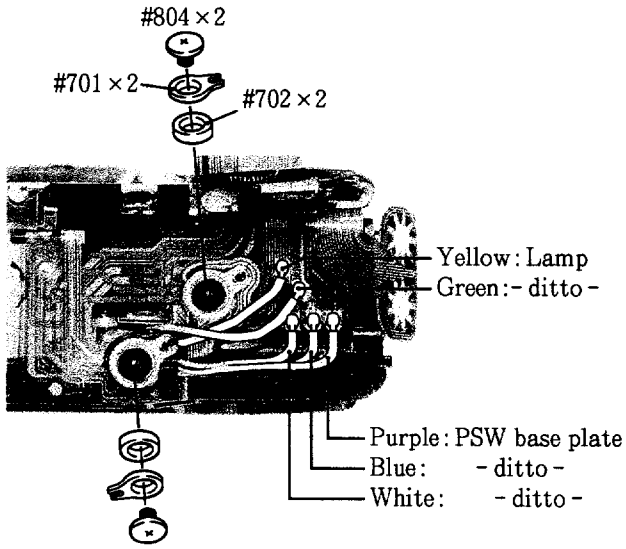


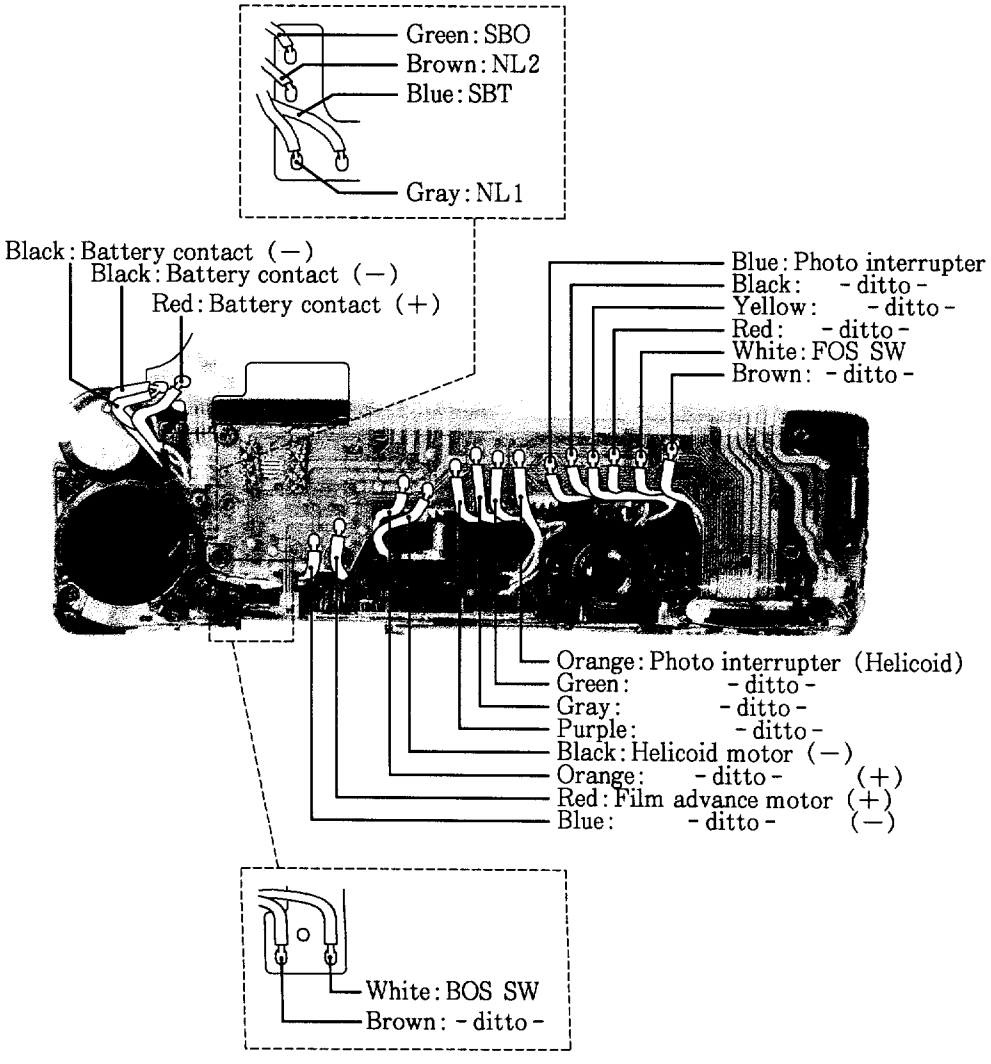
Remove soldering bridges.

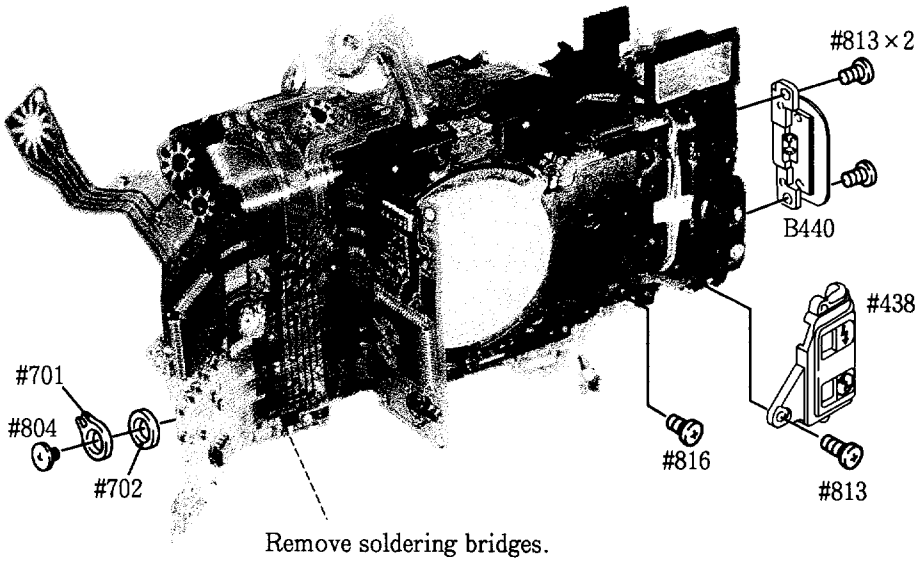



#812 × 2
Viewfinder group, LCD unit
Never remove this screw except for replacement of part. Removal of this screw will require readjustment.

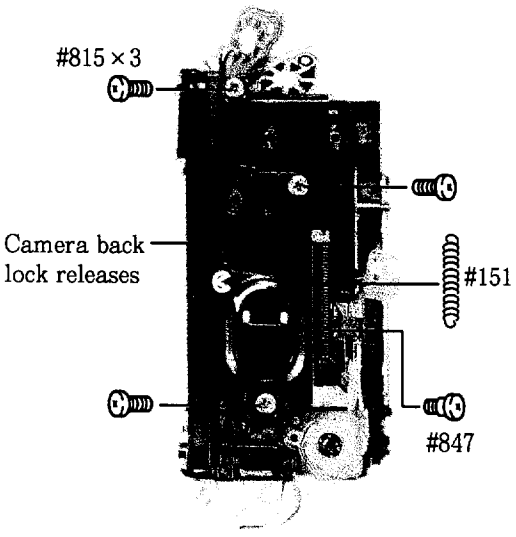
MAIN FPC


#804×2
#701×2
#702×2
Yellow: Lamp
Green: - ditto -
Purple: PSW base plate
Blue: - ditto -
White: - ditto -

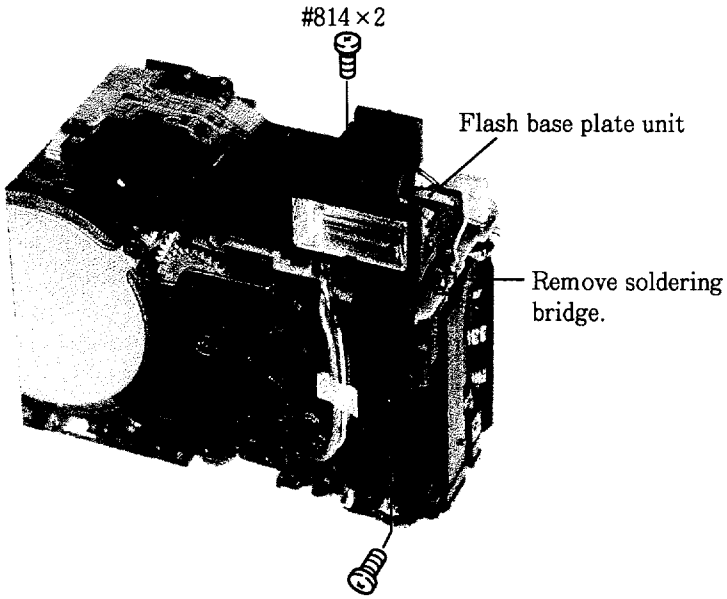

Green: SBO
Brown: NL2
Blue: SBT
Gray: NL1
Black: Battery contact (－)
Black: Battery contact (－)
Red: Battery contact (＋)
Blue: Photo interrupter
Black: - ditto -
Yellow: - ditto -
Red: - ditto -
White: FOS SW
Brown: - ditto -
Orange: Photo interrupter (Helicoid)
Green: - ditto -
Gray: - ditto -
Purple: - ditto -
Black: Helicoid motor (－)
Orange: - ditto - (＋)
Red: Film advance motor (＋)
Blue: - ditto - (－)
White: BOS SW
Brown: - ditto -



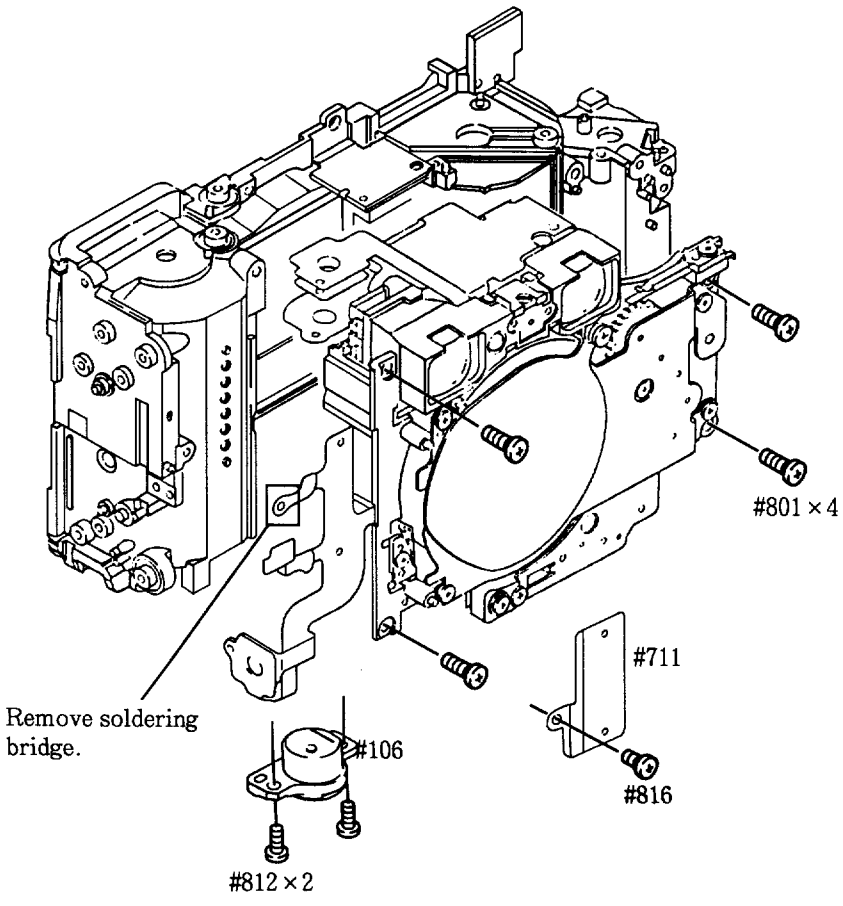
CAMERA BACK LOCK RELEASES



FLASH BASE PLATE UNIT

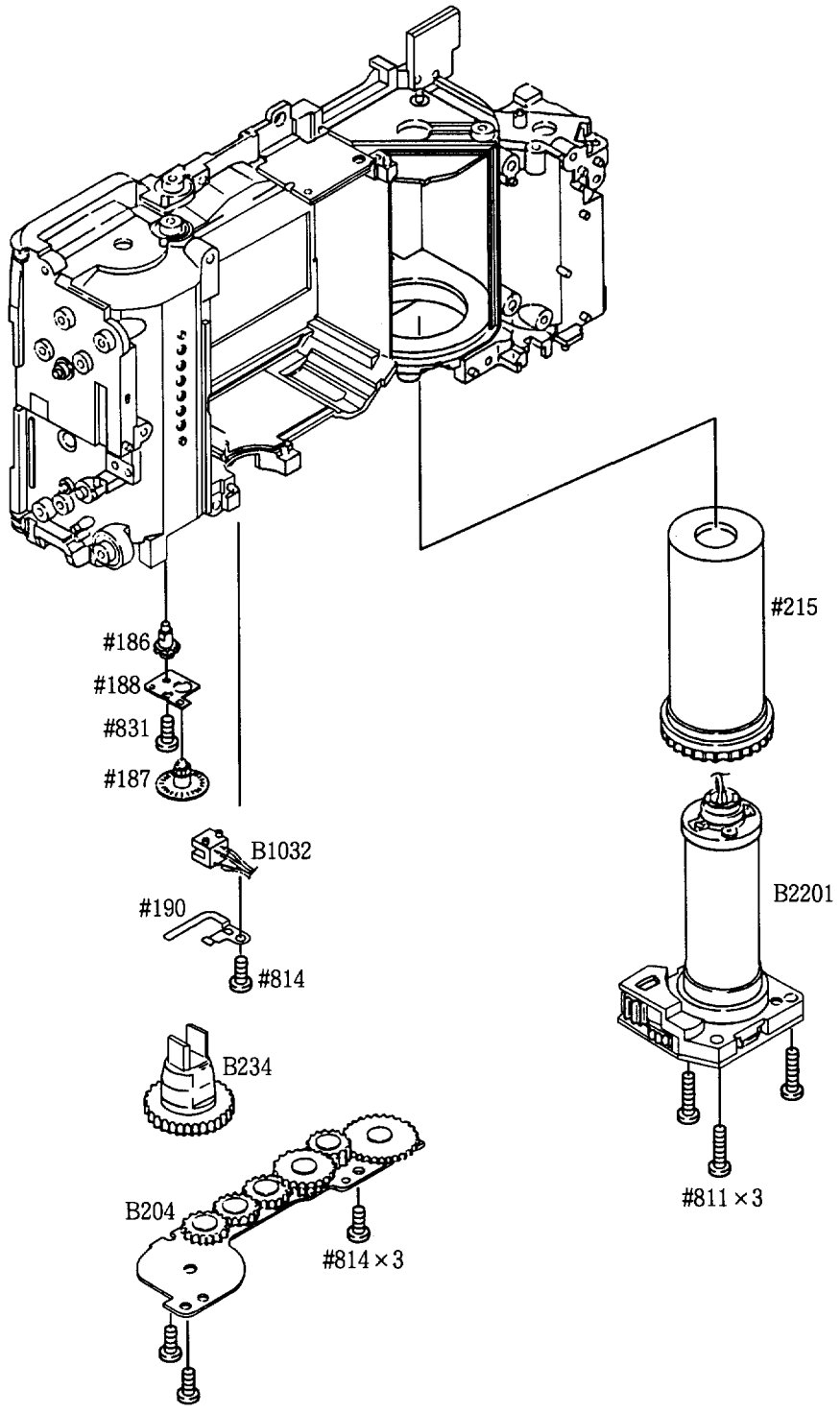


REMOVING LENS BARREL UNIT

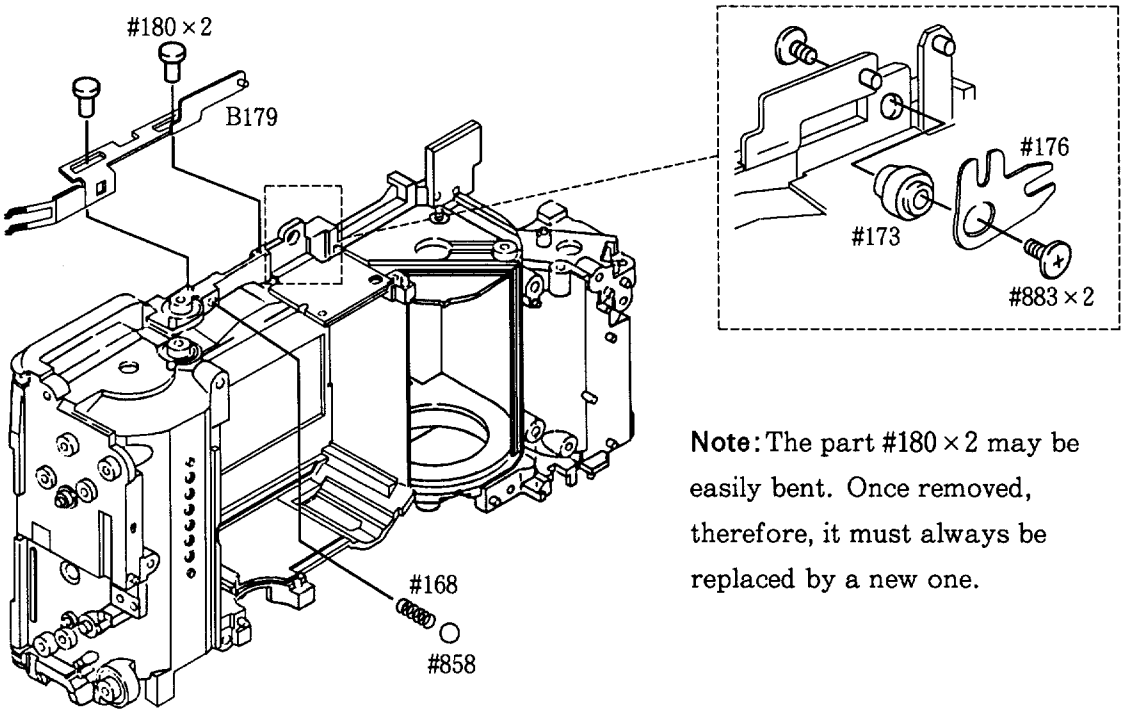


2. REAR BODY

W／R MOTOR GROUP, W／R GEAR GROUP

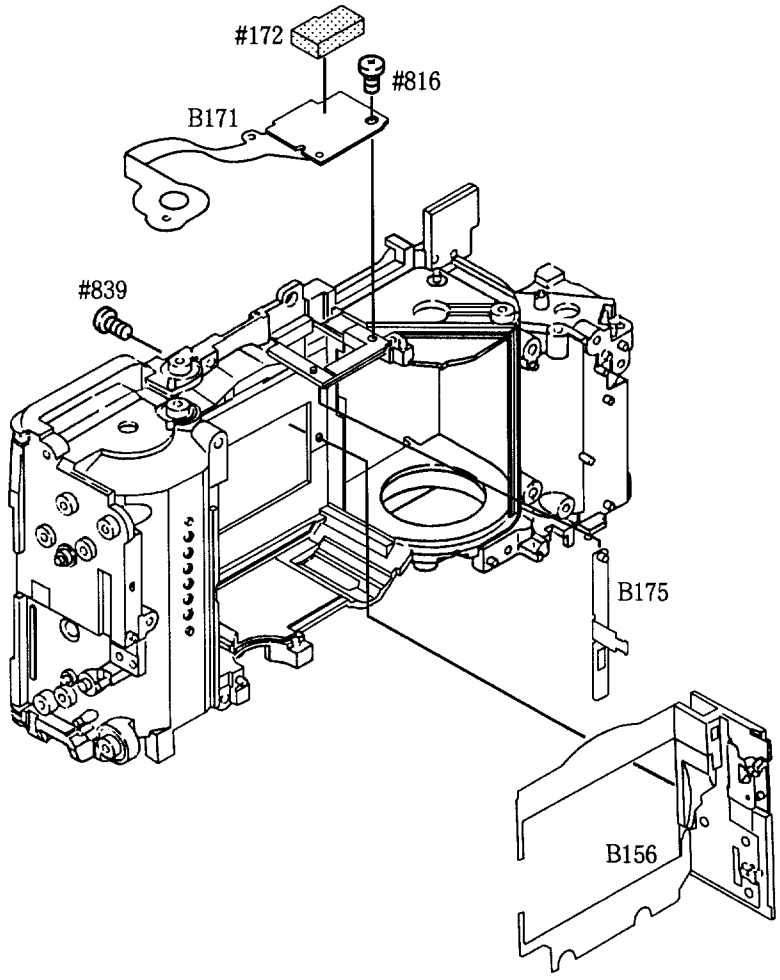


PANORAMA LEVER GROUP



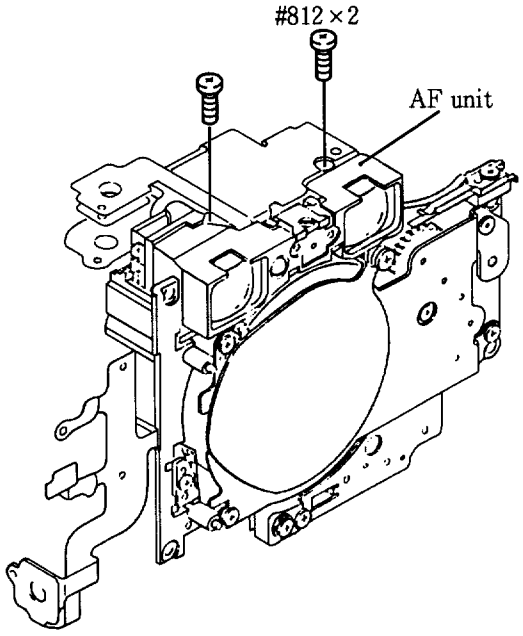
Note: The part #180×2 may be easily bent. Once removed, therefore, it must always be replaced by a new one.

DATE MODULE UNIT, PANORAMA UNIT

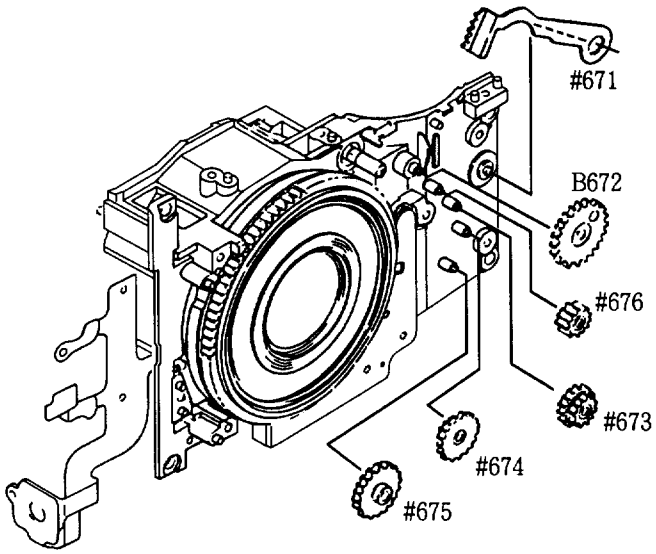


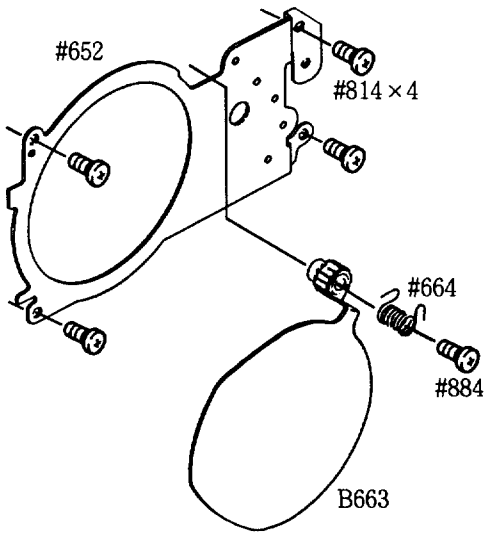
3. LENS HELICOID

AF UNIT

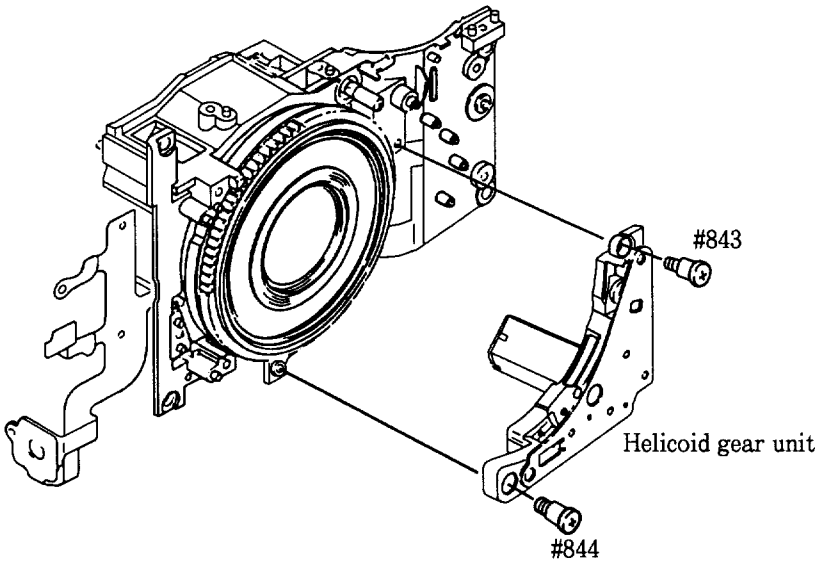


LENS COVER UNIT, JOINT GEAR GROUP

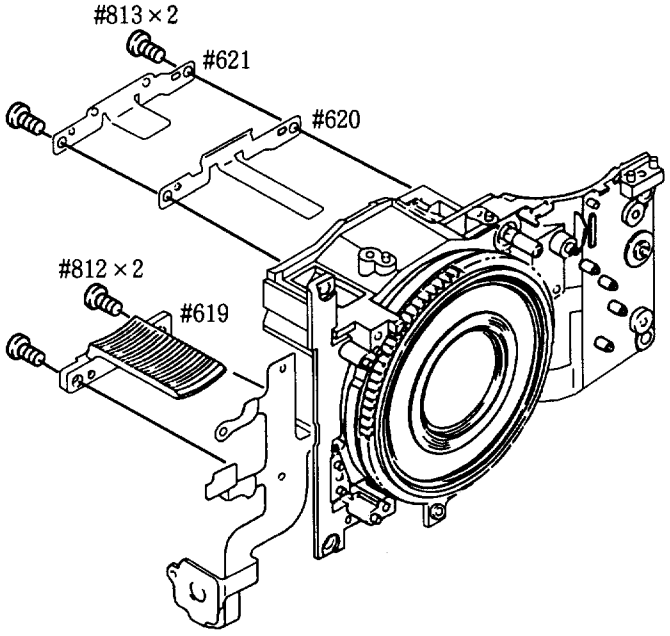




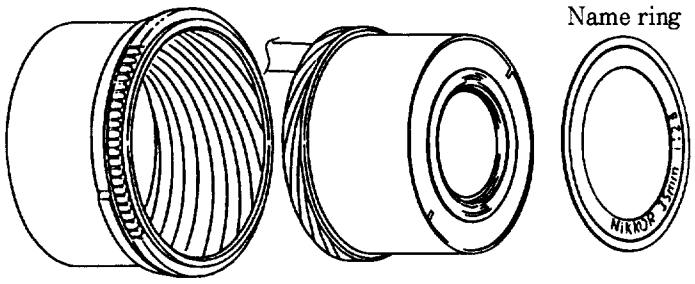
HELICOID GEAR UNIT



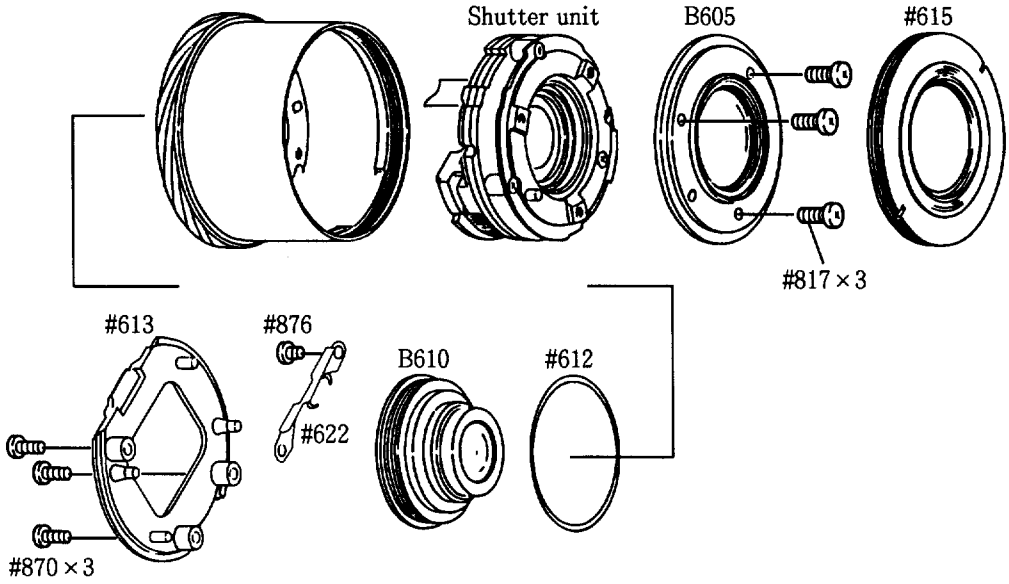
LENS BARREL GROUP



NAME RING



SHUTTER UNIT, FRONT LENS, REAR LENS, HELICOID

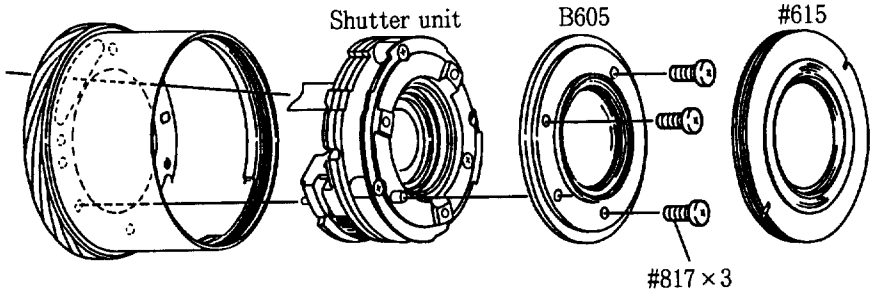


ASSEMBLING／ADJUSTMENT

Shutter unit, front lens group ---------- A 1
Rear lens group ---------- A 1
Helicoid ---------- A 2
Lens barrel group ---------- A 2
Inspection of helicoid position ---------- A 3
Joint gear group ---------- A 3
Lens cover group ---------- A 4
Inspecting lens cover operation ---------- A 4
Date module unit, panorama unit ---------- A 5
Panorama lever group ---------- A 5
W／R motor group, W／R gear group ---------- A 6
Aligning of rear body and lens barrel unit ---------- A 7
AF unit, flash base plate unit ---------- A 7
Camera back lock releases ---------- A 8
Main FPC ---------- A 8
Viewfinder group, LCD unit ---------- A 1 1
Front cover ---------- A 1 2
Side cover ---------- A 1 2
Mode set unit, camera back ---------- A 1 3
Bottom cover ---------- A 1 3
Press-contact between the top cover and the main FPC ---------- A 1 3
Inspecting camera operation ---------- A 1 4
Adjustment of parallax ---------- A 1 6
Adjustment of back focus ---------- A 1 7
Adjustment of AE accuracy, adjustment of AF accuracy ---------- A 1 7
Adjustment of USA version ---------- A 1 8
Top cover ---------- A 1 9
Leatherette ---------- A 1 9

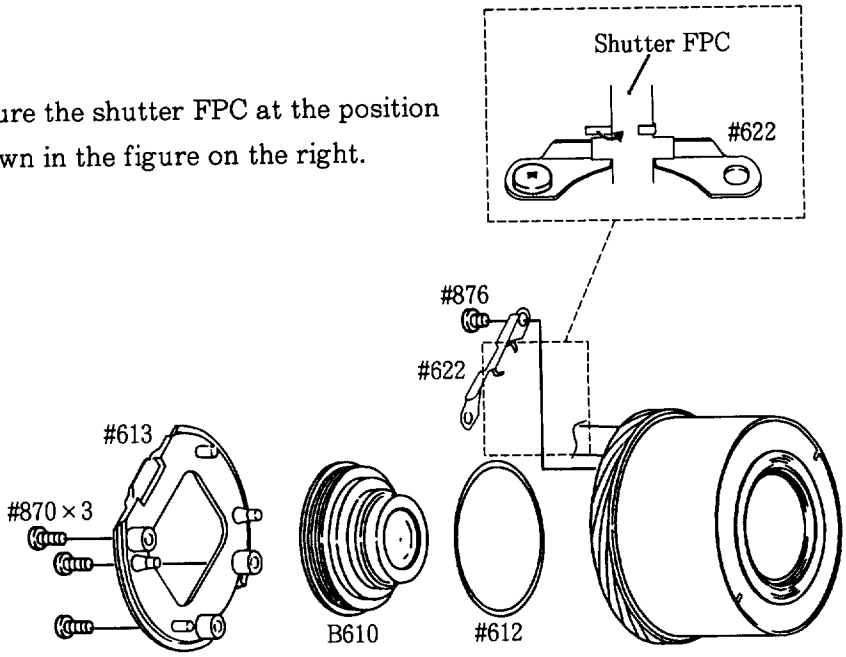
ASSEMBLING／ADJUSTMENT

SHUTTER UNIT, FRONT LENS GROUP



REAR LENS GROUP

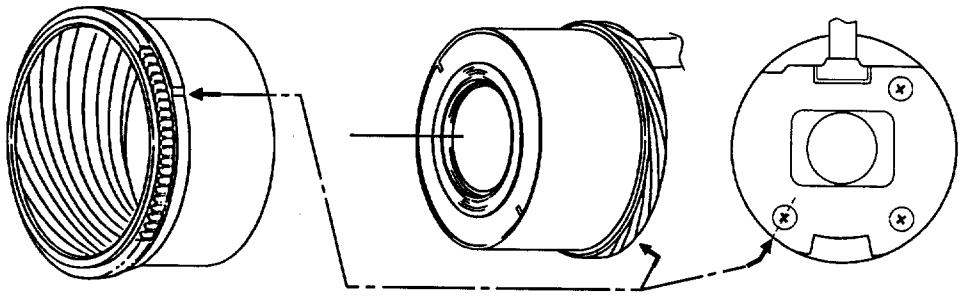
- Secure the shutter FPC at the position shown in the figure on the right.



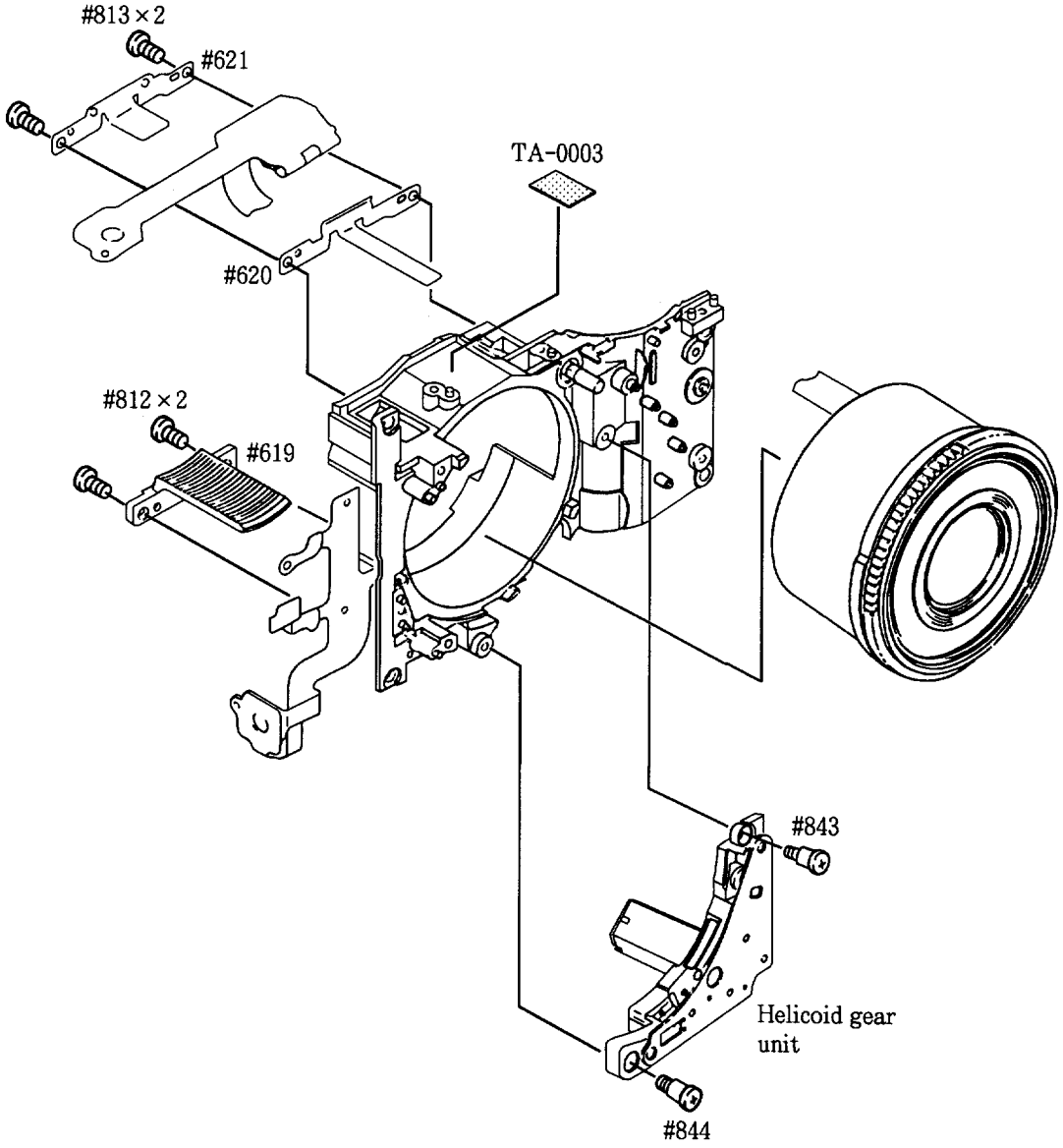
Note: When using washer #612 for adjusting space between the front and rear lens groups, set the thickness of the washer to 0.2±0.03mm.

Parts	Dimensions
612A	t=0.05mm
612B	t=0.06mm
612C	t=0.07mm
612D	t=0.08mm
612E	t=0.09mm
612F	t=0.10mm

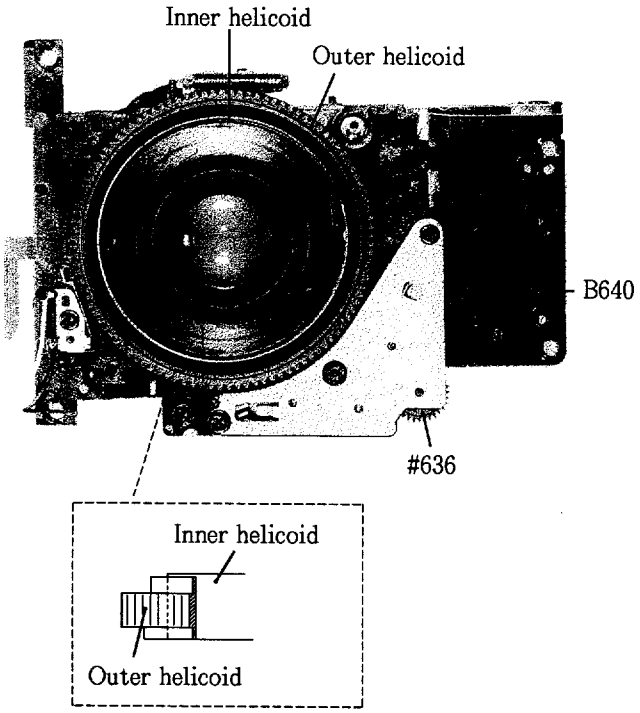
HELICCOID



LENS BARREL GROUP



INSPECTION OF HELICOID POSITION



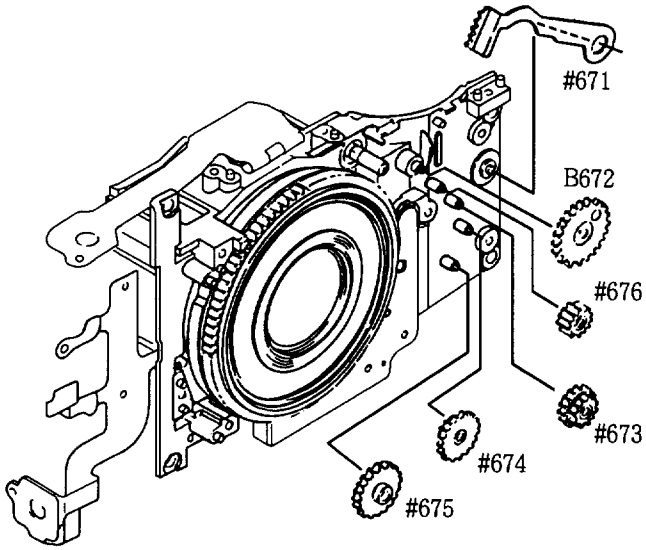
① Turn gear #636 counterclockwise.

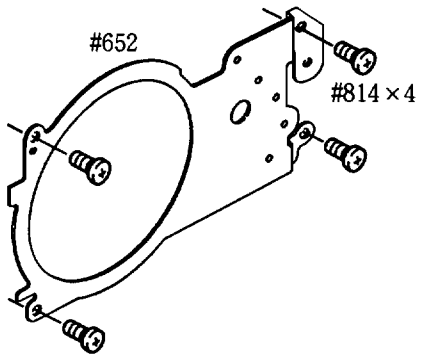
② Make sure that B640 comes off from the outer helicoid and gear #636 runs idle when the height of the inner helicoid becomes roughly level with the outer helicoid.

③ Make sure that the inner helicoid moves forward by coupling the B640 with the outer helicoid when gear #636 is turned clockwise.

※ If it does not operate as mentioned above, try mounting the helicoid once again, since the lens has not been mounted at the correct position.

JOINT GEAR GROUP



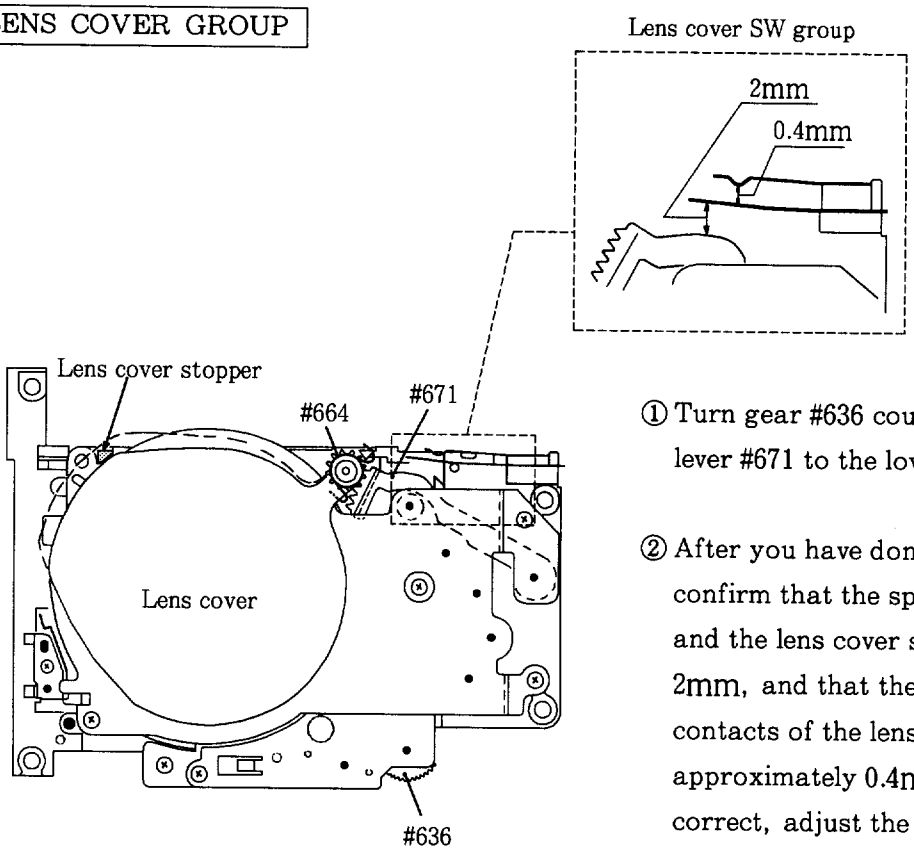


• Apply slightly grease GE-8 to each gear.

Mounting procedures

#675 → #673 → #674 → #676 → #671 → B672

LENS COVER GROUP

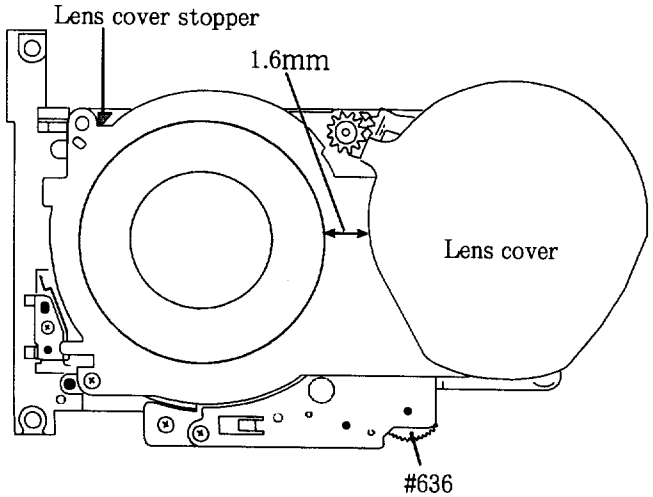


① Turn gear #636 counterclockwise to move lever #671 to the lowest position.

② After you have done this, check to confirm that the space between lever #671 and the lens cover switch is approximately 2mm, and that the space between contacts of the lens cover switch is approximately 0.4mm. If the space is not correct, adjust the mounting position.

③ Mount the lens cover at the position over the lens cover stopper, and hook spring #664.

INSPECTING LENS COVER OPERATION

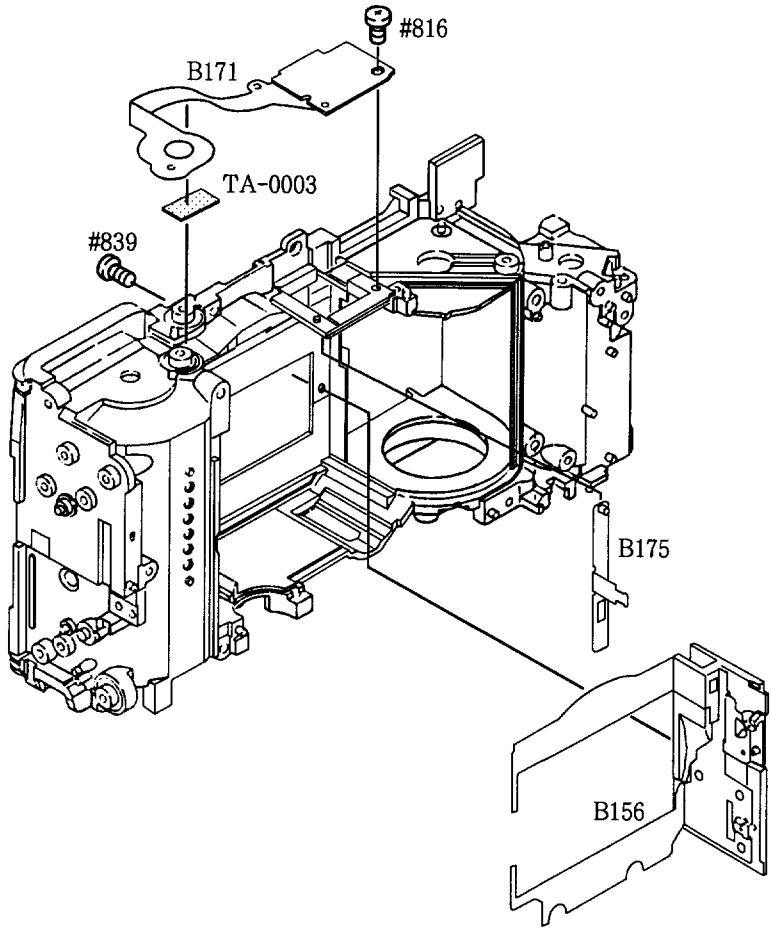


① Make sure that the lens cover opens when gear #636 is turned counter-clockwise, and that the lens cover switch turns ON when it is fully opened. Gear #636 runs idle at the same time.

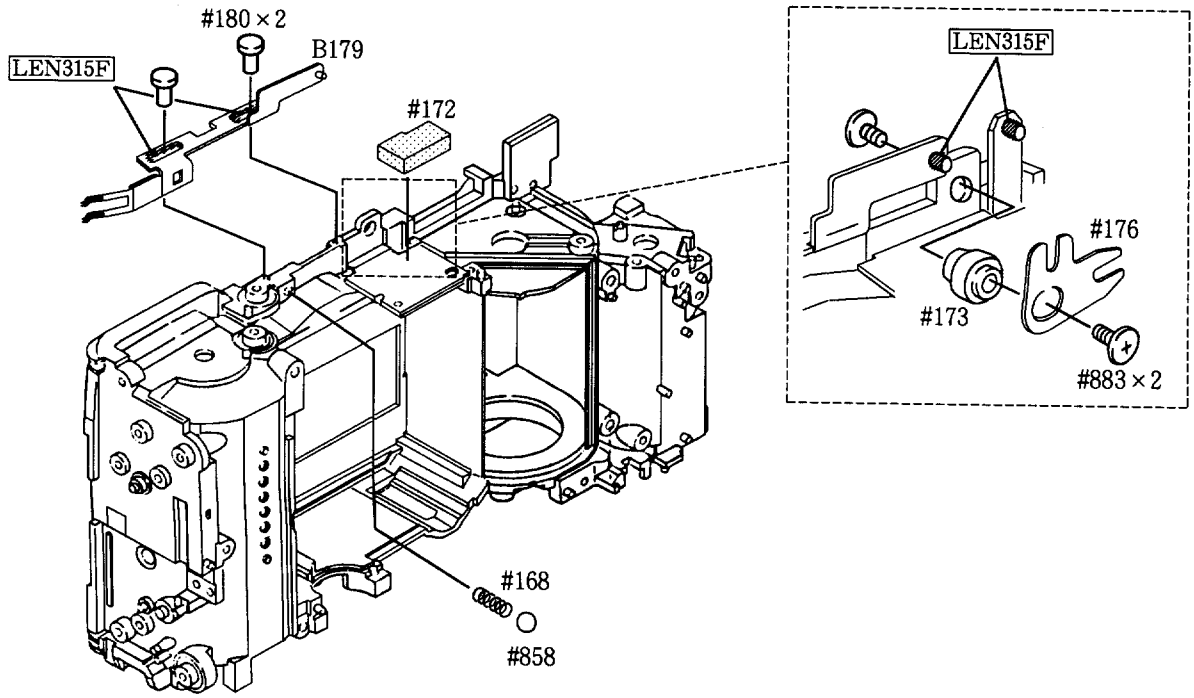
② Check to see if there is approximately 1.6mm gap between the lens barrel and lens cover.

③ The lens cover closes up to the stopper and the lens cover switch is turned OFF when gear #636 is turned counterclockwise even farther.

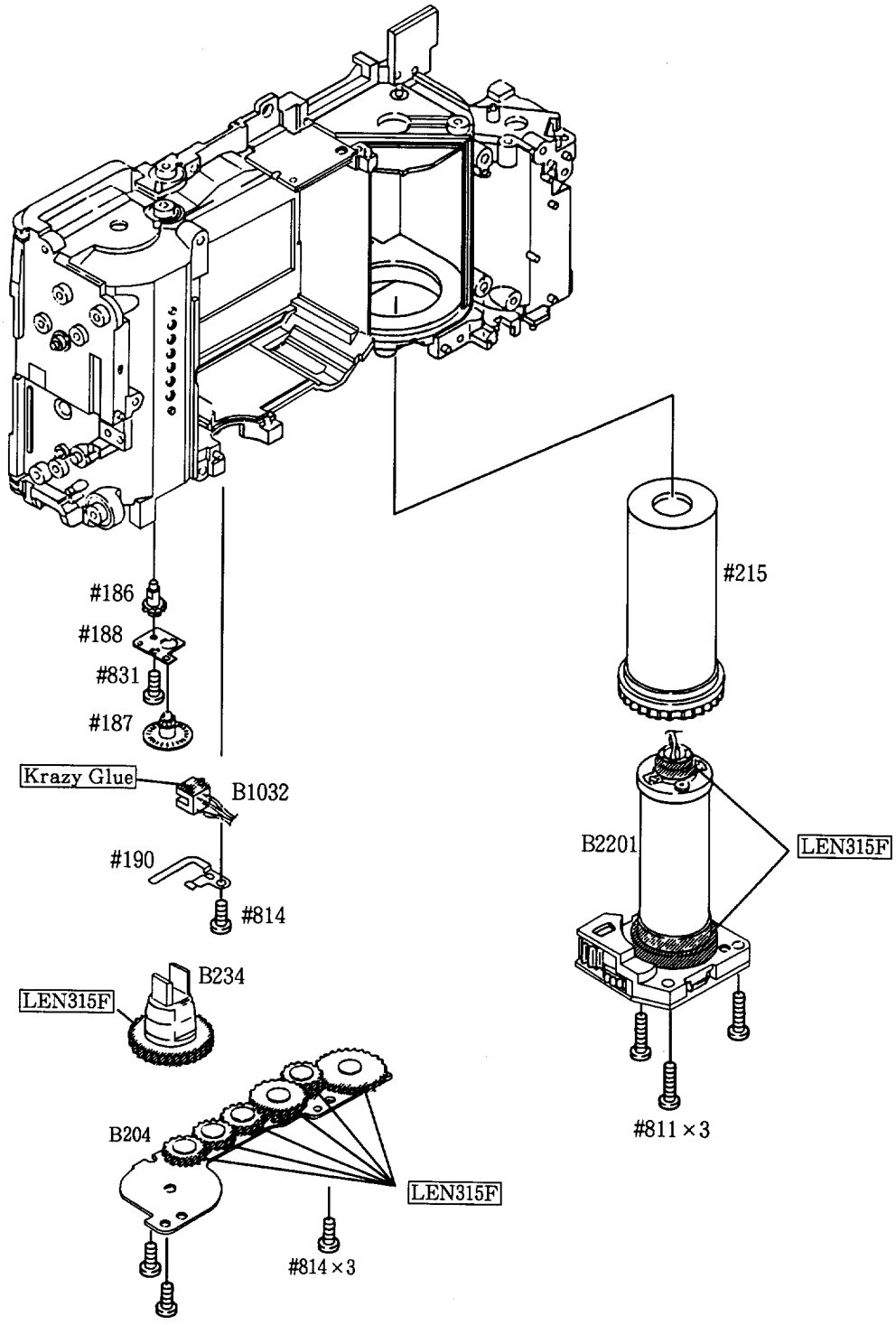
DATE MODULE UNIT, PANORAMA UNIT



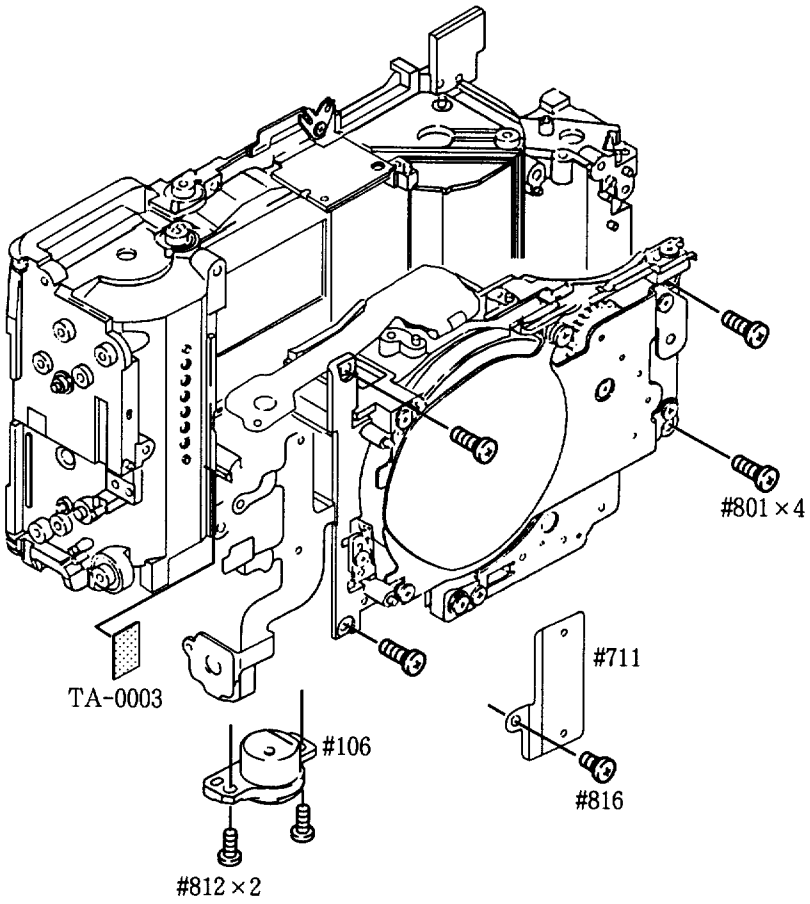
PANORAMA LEVER GROUP



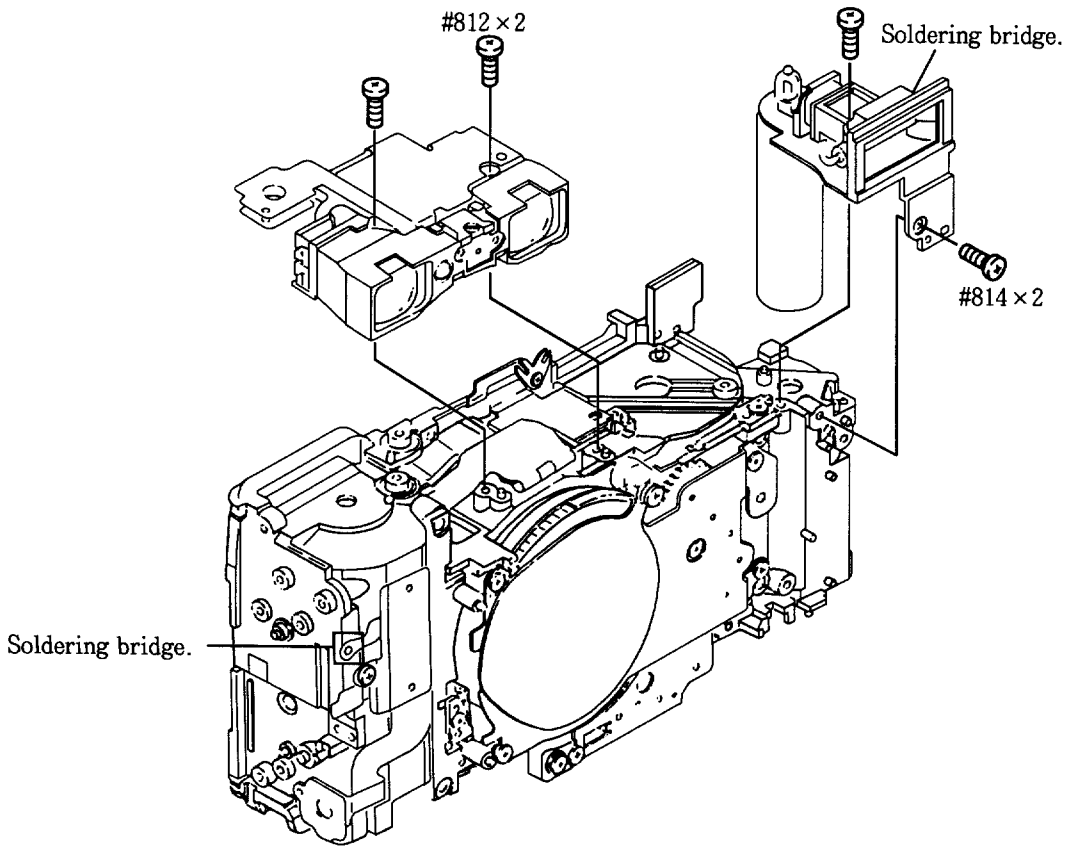
W／R MOTOR GROUP, W／R GEAR GROUP



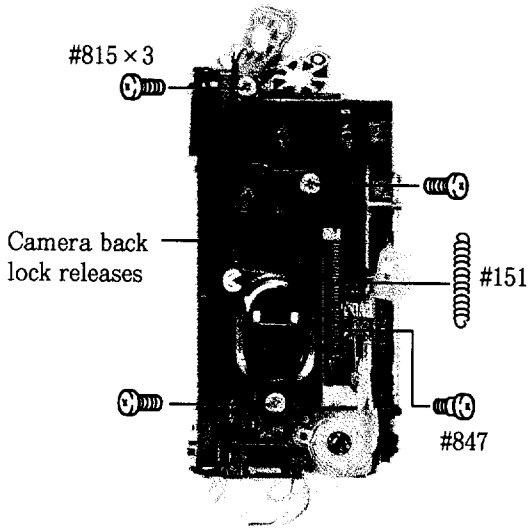
ALIGNING OF REAR BODY AND LENS BARREL UNIT



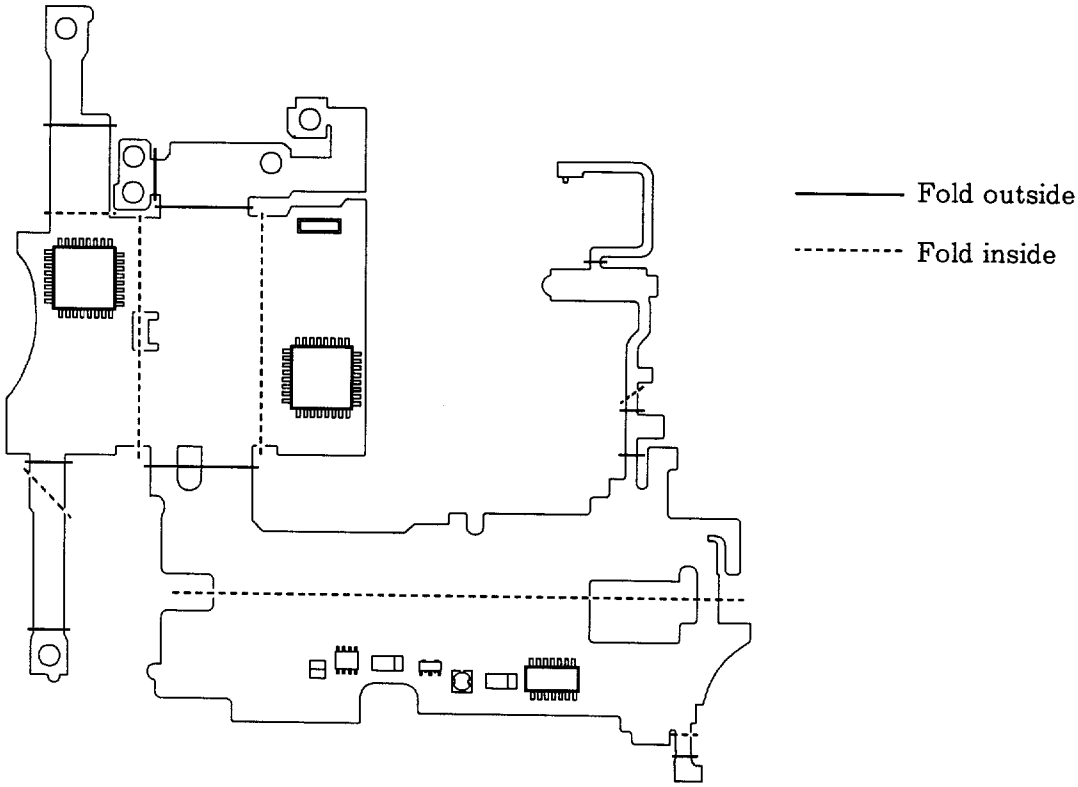
AF UNIT, FLASH BASE PLATE UNIT

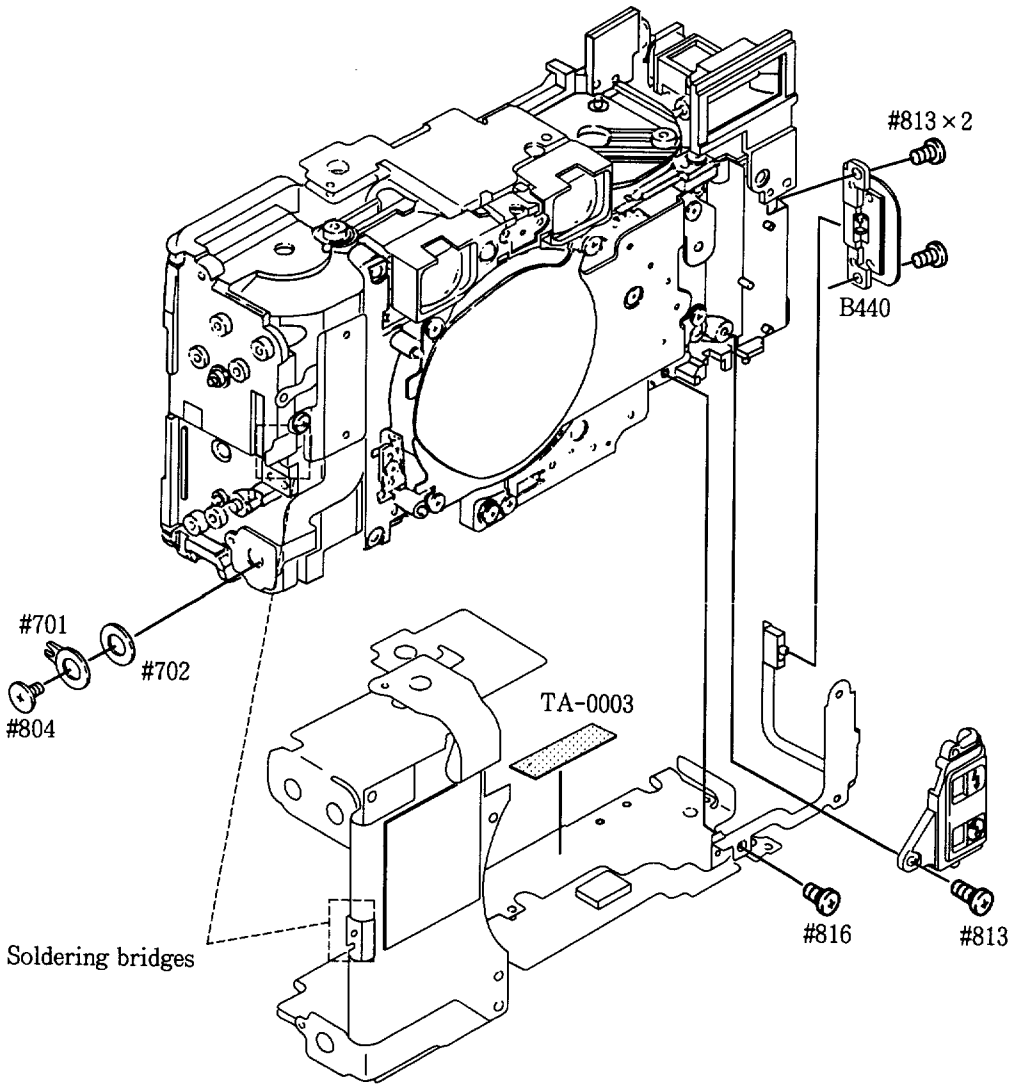


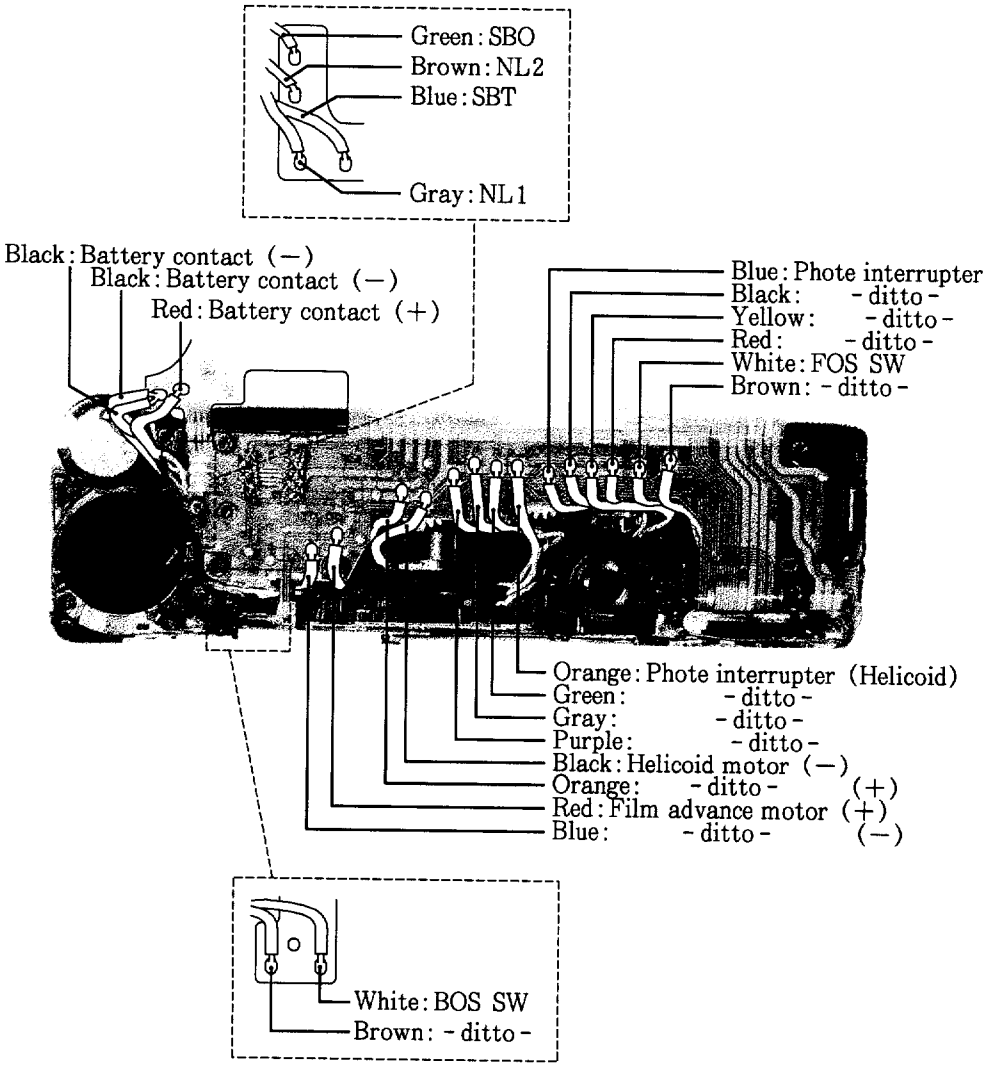
CAMERA BACK LOCK RELEASES

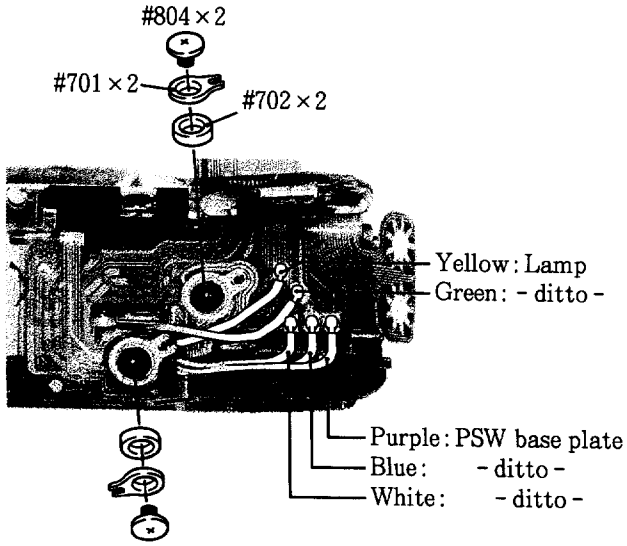


MAIN FPC

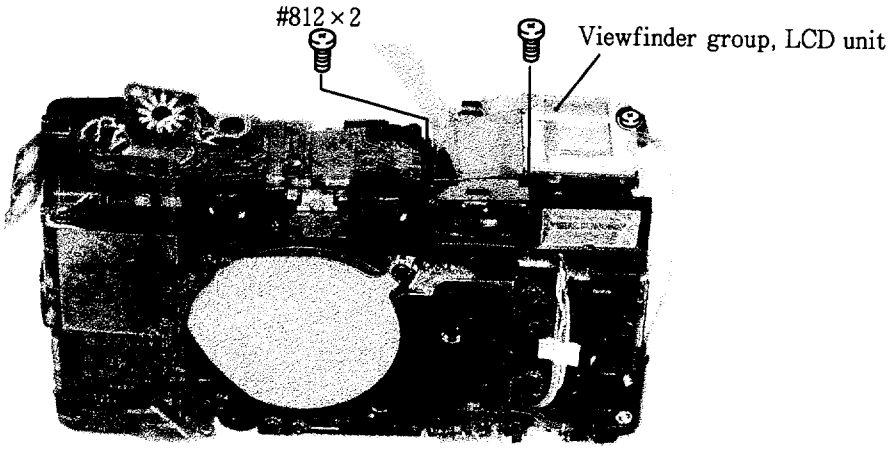


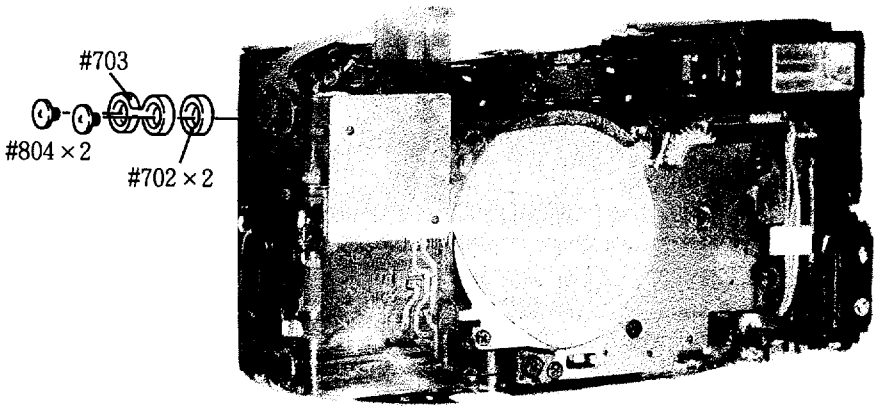

#813 × 2
B440
#701
#702
#804
TA-0003
Soldering bridges
#816
#813

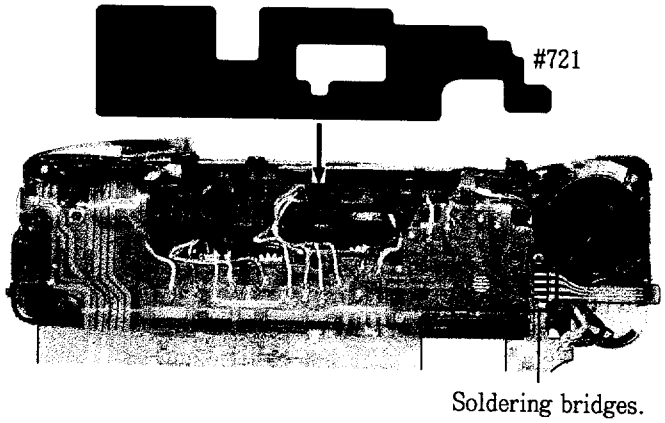

Green: SBO
Brown: NL2
Blue: SBT
Gray: NL1
Black: Battery contact (－)
Black: Battery contact (－)
Red: Battery contact (＋)
Blue: Phote interrupter
Black: - ditto -
Yellow: - ditto -
Red: - ditto -
White: FOS SW
Brown: - ditto -
Orange: Phote interrupter (Helicoid)
Green: - ditto -
Gray: - ditto -
Purple: - ditto -
Black: Helicoid motor (－)
Orange: - ditto - (＋)
Red: Film advance motor (＋)
Blue: - ditto - (－)
White: BOS SW
Brown: - ditto -

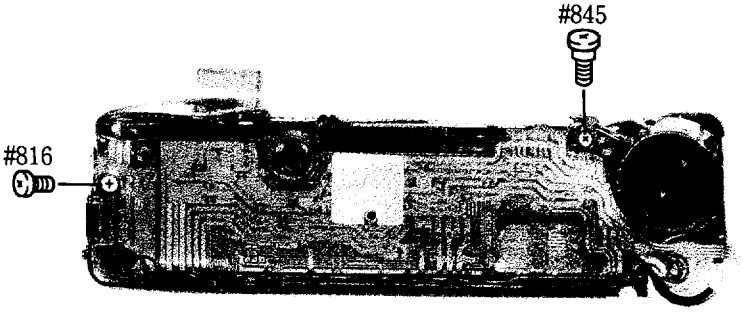

#804×2
#701×2
#702×2
Yellow: Lamp
Green: - ditto -
Purple: PSW base plate
Blue: - ditto -
White: - ditto -

VIEWFINDER GROUP, LCD UNIT

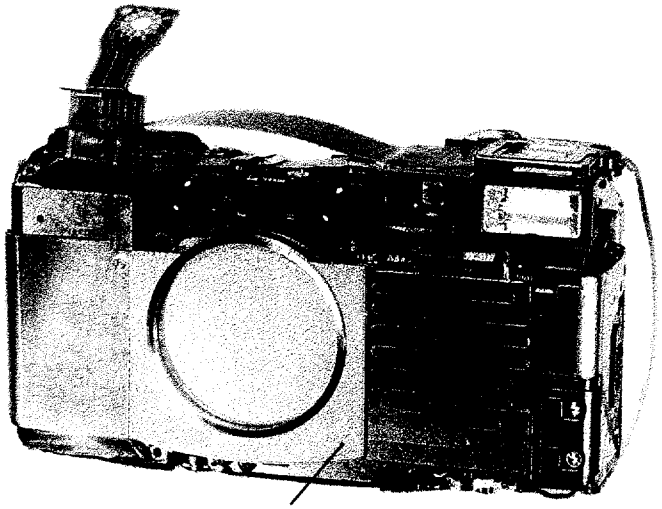




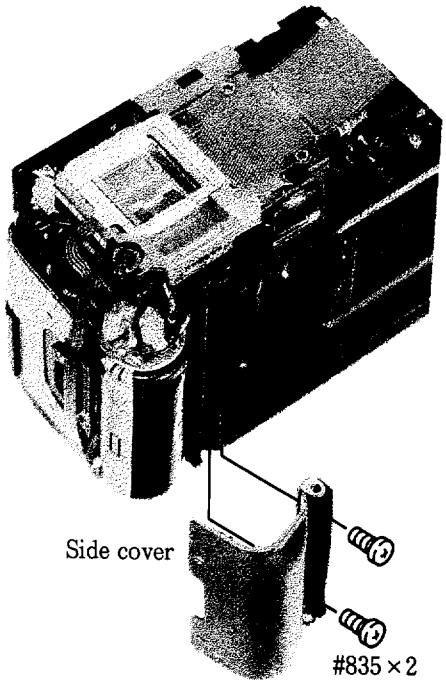




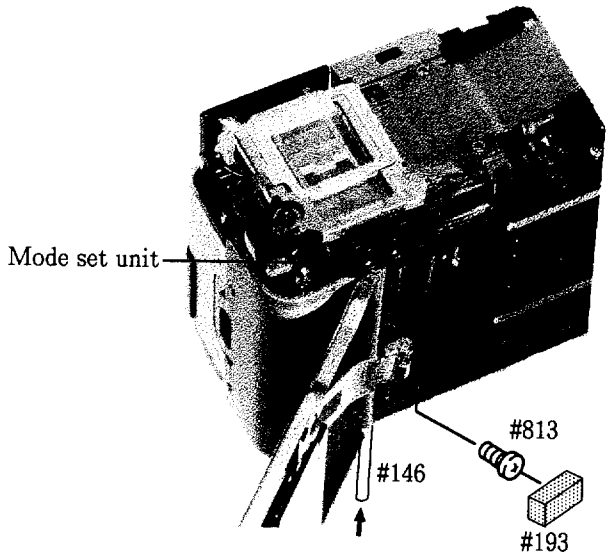
FRONT COVER



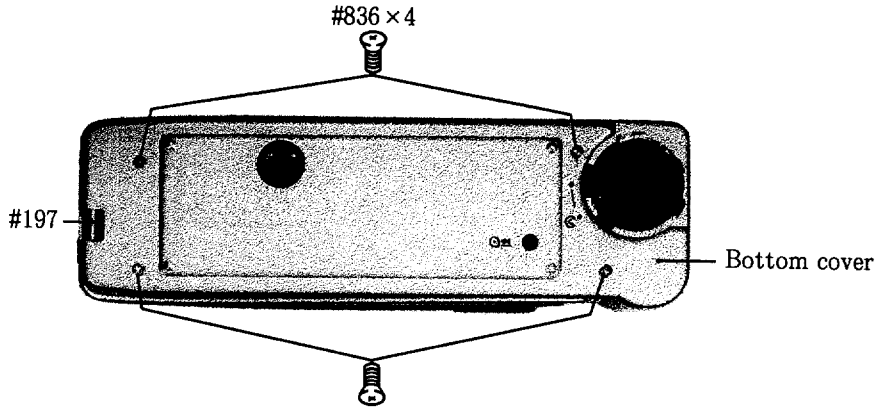
SIDE COVER



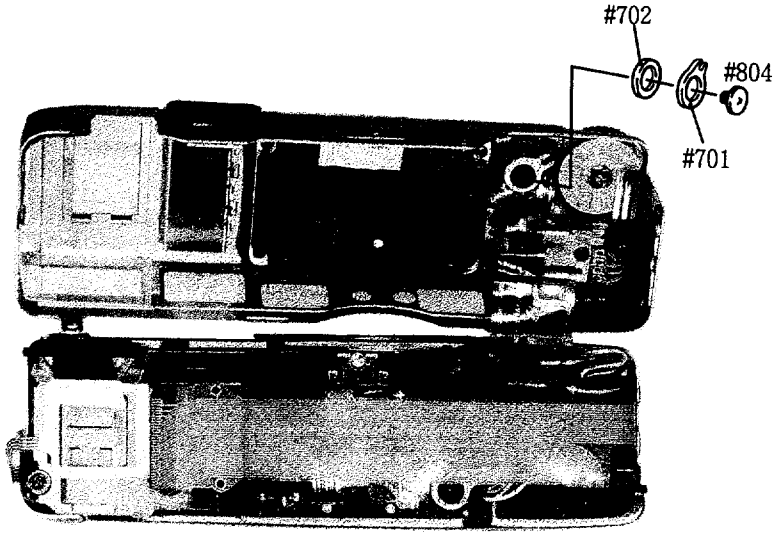
MODE SET UNIT, CAMERA BACK



BOTTOM COVER



PRESS-CONTACT BETWEEN THE TOP COVER AND THE MAIN FPC



INSPECTING CAMERA OPERATION

1. When battery is loaded and the battery chamber lid is closed, the word " OFF " appears on the LCD panel.

2. When the selector dial is set to P (from OFF), the lens cover opens and the lens moves forward. Then " E " appears on the LCD panel.

3. When the shutter pre-release switch is ON, the lens barrel moves forward. At the same time, the indicator on the AF side moves.

4. When pressing the shutter release button, the shutter can be released.

5. When the selector dial is set to OFF, the lens barrel retracts and the lens cover closes.

ADJUSTMENT

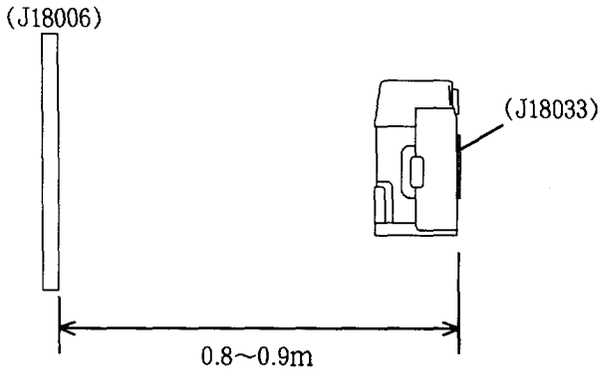
• Contents

1. Adjustment of parallax
2. Adjustment of back focus
3. Adjustment of AE accuracy
4. Adjustment of AF accuracy
5. Adjustment of USA version

• Tools

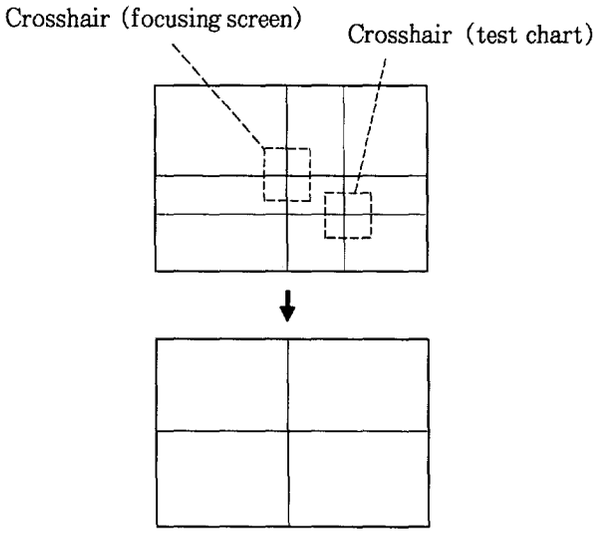
1. J 19019 : Collimator (24LT-2DTS f =193.5mm)
2. J 15278 : Connector relay box
3. J 15291 : Adjusting stand
4. J 15314 : Data back contact connector tool
5. J 18236 : Checking and adjustment programs
6. J 18006 : Test chart
7. J 18033 : Focusing screen tool
8. NEC PC-9800 series personal computer

ADJUSTMENT OF PARALLAX



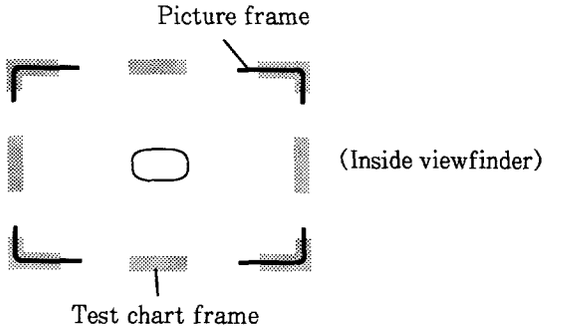
① Attach the focusing screen (J18033) to the camera's aperture surface.

② Set the camera in front of the test chart (J18006) placed at the set distance of 0.8 to 0.9m.



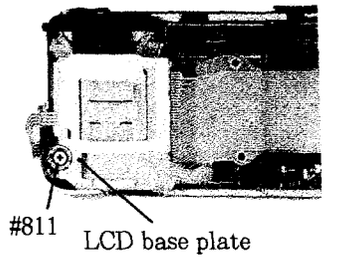
③ Set the selector dial to " T ", aperture dial to f/2.8, and distance scale to 0.85m, then release the shutter.

④ Adjust the camera position so that a crosshair on the focusing screen aligns with a crosshair (on the test chart) projected on the aperture surface.



⑤ Unfasten screw #811 to adjust the LCD base plate so that the picture frame marks in the viewfinder line up with the test chart frames.

⑥ After adjustment, secure screw #811 with Screw Lock.



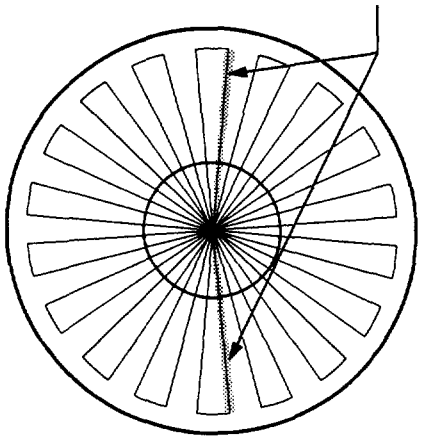
ADJUSTMENT OF BACK FOCUS

Standard :
Value of FFD adjustment micro stand at step 1 should be within 0±40 μm.

① Rotate the objective lens of the collimator (J19019) to set the scale to " 0 " .

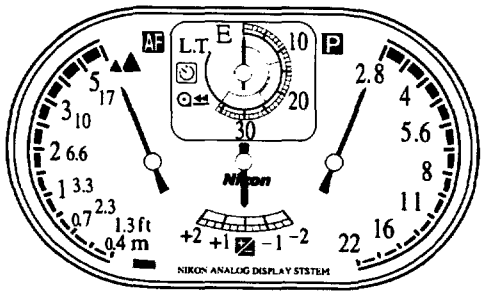
② Set the scale of the FFD adjustment micro stand (J15291) to " 0 " .

Location where vertical line color changes from blue to red.



③ Adjustment as indicated on the computer display.

- Focus the collimator when the screen color of the collimator changes from blue to red.



※ Normally, when you check back focus without using a personal computer, set the indicator on the aperture to 2.8, the indicator on the distance side to the small " ▲ " mark, and the selector dial to " T ", respectively, to make back focus adjustment.

ADJUSTMENT OF AE ACCURACY, ADJUSTMENT OF AF ACCURACY

- Adjustment as indicated on the computer display.

(As for standard values, refer to "Inspection standard".)

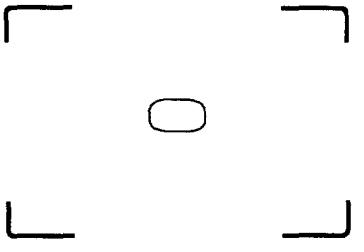
ADJUSTMENT OF USA VERSION

- Two types of cameras are available : the normal and USA versions. As shown in the figure below, the difference between the two is in the picture frame marks in the viewfinder. Main FPCs as a repair part will be provided based on the normal version.

Note:

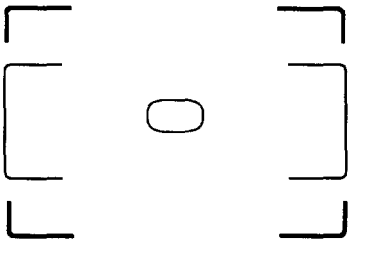
When replacing a main FPC in the USA version camera, after repair be sure to make adjustments based on the USA version.

(Inside viewfinder)



Normal version

(Inside viewfinder)

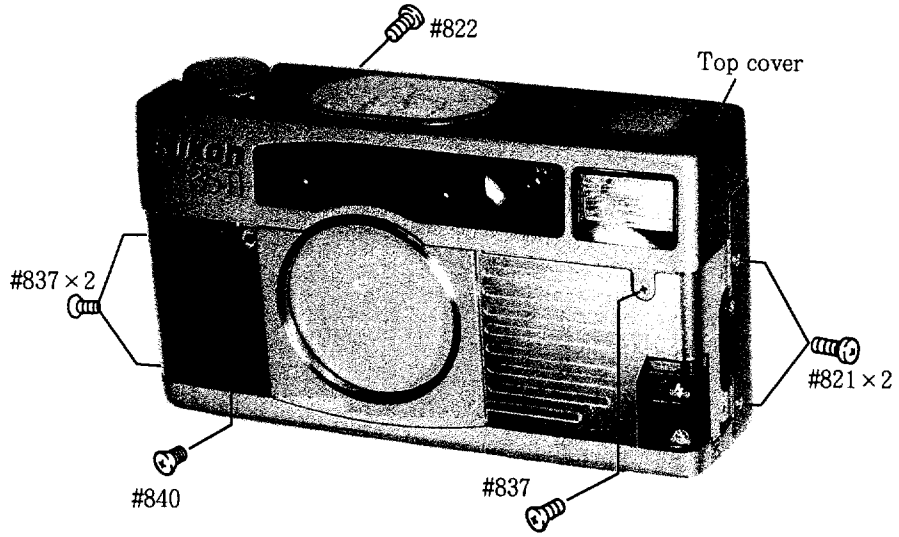


USA version

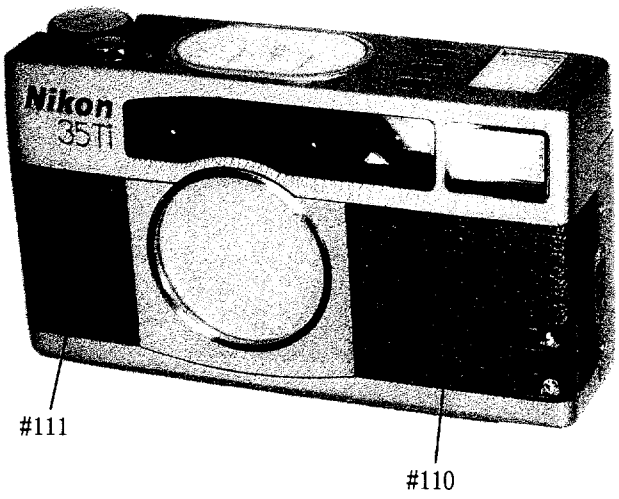
- When making adjustment, select the item 『 9. Setting of USA version 』 on the computer display, according to instructions.

Note: Do not attempt to modify the normal version to the USA version and vice versa.

TOP COVER



LEATHERETTE



Electric Circuit

Outline

1. Electric Circuit ---------- E1

2. Configration ---------- E2

Switch Name Table ---------- E3

Check Land Table ---------- E4

IC Pin Table ---------- E5

Wiring Diagram ---------- E8

Circuit Diagram ---------- E9

Main FPC ---------- E10

Main FPC Checking Land ---------- E11

AF FPC ---------- E13

AF FPC Checking Land ---------- E14

EEPROM DATA ---------- E15

Outline

1. Electric circuit

The following power sources are included in this electric circuit. Each power source and its description is shown below.

(1) VE (battery voltage) system
Power source for speedlight (SB)
Power source for film advance motor
Power source for driving lens barrel
Power source for driving stepping motor

(2) 1.2V system (U11 output) — for stopping speedlight charging (when battery voltage drops below 1.2V during charging speedlight or driving motor)

(3) 2.3V output (U12 output) — for checking the U2's battery. BC when U12 output voltage is lower than 2.3V.

(4) VDD (DC-DC input voltage) — input voltage for DC-DC converter. Power source for back light LEDs (D1, D2). IRED lights up dimly by power sources D1 and D2 when EV is lower than 3.5V due to the voltage drop of R3 only. While it lights up brightly when Ev is over 3.5V due to the voltage drop of both R3 and R2.

(5) 1.7V system (U8 output) — Power source for U2.

(6) VDD (5V) system (DC-DC output) — Power source for IC driving other than U2.

(7) 4V system (U10 output) — Reference voltage for the U1's A／D input.

Power activation occurrs in the following procedures:

1. The U2 is reset by the PSW (or the U2 is reset if power activation switch is turned ON when battery is loaded).
2. DC-DC converter is activated.
3. The U1 reset is released (by U2).
4. Waiting time (for stability of analog display CPU)
5. Battery check (BC) operation
   - Power activation switch (Refer to switch table.)

BC0 Checking if the voltage is over 2.15V with no loading.

BC1 Checking if the voltage is over 2.3V with 500mA loading (Electric current flows to the shutter driving stepping motor).

BC2 Checking if the voltage is over 2.15V with 500mA loading.

BC mark blinks on the LCD in the items BC1 and BC2 above. LCD goes out in the items BC2 and after.

2. Configuration

U1 — Performing camera's all sequence operations (including motor driving, shutter control, etc.) Performing data processing for AE and AF operations, shutter sequence operation, and various other data communication (for U2, U6, data back module, and inspection equipment).

U2 — Transferring data to analog display CPU. Controlling external LCD. Transferring code from the U1 after converting it to control code.

U3 — Driving film advance motor and lens barrel motor. Motor driver IC (controlled by the U1.) Driving amount of each motor can be controlled by pulse signals generated from each photo interrupter. Then the pulse signals are entered into the U1 and counted.

U4 — AF controlling IC. IRED constant current driving circuit and PSD input circuit are included. Infrared light emitted from the IRED is reflected on the object and the reflected light returns back to the PSD. The AF output signal is sent to the U1. Then the U1 calculates the driving amount of the lens.

U5 — IC for matrix exposure metering. SPD unit is included. Output from the 6-segment SPD is amplified by the head amp and transferred to the U1 in time sequence. Then the U1 calculates AE values from this output data.

Switch Name Table

NO	Code	Switch Name	PO	NO	Code	Switch Name	PO
1	BBS	Camera Back SWitch	○	12	AFS	Distance Set Switch	—
2	PSW	Battery-Case Switch	○	13	ECS	AE-Conpensation Switch	—
3	SLS	DataBack Select Switch	—	14	S1	Pre-release Switch	○
4	AJS	DataBack Adjust Switch	—	15	MUS	Manual Rewind Switch	○
5	SDT	SelectDial Triger Switch	○	16	NRS	Flash-Inhibition SW	—
6	CRS	Command Dial 1	○	17	SKS	Flash-Forced Switch	○
7	SD1	Select Dial 1	—	18	PSST	Panorama Set Triger	○
8	SD2	Select Dial 2	—	19	PTS	Red-eye-Reduction SW	—
9	CLS	Command Dial 2	—	20	PSS	Panorama Set Switch	—
10	S2	Release Switch	—	21	FOS	Focus Reset Switch	—
11	S3	Self Switch	○	22	BOS	Barrier Open Switch	—

SW —— Switch
PO —— Power On Switch
" ○" marked switches are "Power On Switch"

Check Land Table

Mein FPC		
Land Name	Name of Signal	Conect
TPPSW	Battery Case Switch	PSW ← →R11 →U2 68p
TPSBO	SpeedLight ON-OFF	R10 ← →U1 42P
TPRESET	U1 Reset Signal	Q6C ← →R15,C12,U1 60p
TPNL2	SB Safety Voltage Detect	Q15C← →U1 79p
TPAVREF	ReferenceVoltage for A/D	U10 3p,C15← →U1 75p
TPX2	System Clock for U1	X1← →U1 69p
TPXCS	U2 Serial Enable Signal	u2 20p← →U1 36p
TPVSSL	Power for LCD	C5← →U2 29p
TPCS	E²PROM Chip Select	U1 10p← →R1,U6 3p
TPXRD	U2 Serial Data Output	U2 25p← →Q3B Q3C →U1 65p
TPSO	U2 Serial Data Input	U2 23p← →R7,R8 R8→U1 13p,U6 5p
TPSCK	U1-U2 Serial Clock	U2 26p← →R7,R8 R8 →U1 13p,U6 4p
TPSWT	Panorama Switch	U2 22p← →D5 anode、PSST
TP5V	5 V Power Source	U7 Vout ← →U1,U3 ,PINT (Vdd)
TP6V	6 V Power Source	→D1,D2, PowerSource for AF-Circuit
TPVE	Batery + Terminal	→Power for Motor
TP1.7V	1. 7 V Power Source	→Power Source for U2
TPR1.2V	1. 2 V Power Source	→Q5B (SB Oscilation stop)
TPL1	DC-DC Voltage-Up	L1,Q14 D← →Q14C
TPC9	DC-DC Oscilation 1	→C9,R5,Q14B
TPEXT	DC-DC Oscilation 2	→C9,R5,U7 EXT
TPAGND	GND for Analog	———
TPDGND	GND for Digital	———
TPPGND	GND for Power	———
TPMUS	Manual U-Turn Switch	MUS ← →U1 20p,D5
TPNRS	Flash Inhibit Switch	NRS ← →U1 22p
TPSKS	Flash Forced Switch	SKS ← →U1 23p,D5
TPRDL	Red-eye Ruduction Lamp	RDL ← →Q13C
TPPTS	Red-eye Reduction Switch	PTS ← →U1 14p
TPCKIN	Clock for AF-Data	U4 16p、D3← →U1 49p

AEAF FPC		
Land Name	Name of Signal	Conect
TPCH1	AF CH1 Signal	U4 9p ← →C108
TPCH2	AF CH2 Signal	U4 2p ← →C109
TPVCC	Power for U4	U410p,L2,PSD 6p
TPIREDL	IRED Drive Signal	U4 17p← →R21,Q16B
TPIREDA	NC	→U4 19p
TPIREDC	NC	→U4 18p

IC Pin Table

CPU (μPD78052) U1

NO	PORT	Name & Contact	NO	PORT	Name & Contact
1	P15	B.C. Controll →1/2Q7B	41	P65	Barrier Open Switch → BOS
2	P16	U10 Controll →2/2Q7B	42	P66	SpeedLightCharge → R10
3	P17	DX6 → R16→DX6	43	P67	NC
4	AVss	AGND	44	P30	AMP ChannelChange →U5 10p
5	P130	DX3 →1/4R17→DX3	45	P31	AMP RangeChange →U5 5p
6	P131	DX2 →1/4R17→DX2	46	P32	AMP ChargeSignal →U5 4p
7	AVREF1	NC	47	P33	AMP OutputEnable →U5 7p
8	P70	DX5 →1/4R17→DX5	48	P34	AF SerialSyncro. →U4 15p
9	P71	DX1 →1/4R17→DX1	49	P35	AF SerialClock→D3→U4 16p
10	P72	E^2PROM ChipSelect U6 CS	50	P36	AF SerialData →U4 14p
11	P20	Serial Input 1/2Q3C	51	P37	NC
12	P21	Serial Output 1/2 R8	52	P120	Mg Drive →Shutter PO1
13	P22	Serial Clock 2/2 R8	53	P121	Mg Release→Shutter PO2
14	P23	Red-eye Reduction Switch → PTS	54	P122	Mg Controll →Shutter CT1
15	P24	DX Comunucation →MKR	55	P123	Mg Control2 →Shutter CT2
16	P25	Panorama Switch → PSS	56	P124	MotorDriveSignal2 →U3 IN2
17	P26	Select Dial 1 → SD1	57	P125	MotorDriveSignal1 →U3 IN1
18	P27	Select Dial 2 → SD2	58	P126	MotorDriveSignalφ →U3 IN0
19	P40	Self Switch →S3	59	P127	Lens PI PowerSupply →Q10B
20	P41	ManualRewind SW → MUS	60	RESET	→ C12, R15, Q6C, TPRESET
21	P42	AnalogDisplay IC (D1 Monitor) → Q1C	61	P00	Shutter Open Detective → →ShutterIC PROUT
22	P43	FlashInhibition SW→ NRS	62	P01	Film PI Output→Film PI
23	P44	Flash Forced SW → SKS	63	P02	Lens PI Output→Lens PI
24	P45	Distance Set Switch AFS	64	P03	Focus Reset → FOS
25	P46	AE-Conpensation → ECS	65	P04	U2 SerialControl →2/2Q3C
26	P47	NC	66	P05	Release Switch →S2
27	P50	Command Dial 2 → CLS	67	P06	Command Dial 1 → CRS
28	P51	Pre-release Switch →S1	68	Vdd	Vdd
29	P52	VC forDB→DB VC(1/2Q10C)	69	X2	→Crystal
30	P53	DB Data Signal → DB D1	70	X1	→Crystal
31	P54	↓ →DB D23	71	IC	GND
32	P55	↓ → DB D4	72	XT2	NC
33	Vss	GND	73	XT1	AVdd
34	P56	DB Data Signal →DB D56	74	AVdd	AVdd
35	P57	↓ → DB D7	75	AVREF0	Reference Voltage for A/D →U10 3p
36	P60	U2 Chip Enable →U2 20p	76	P10	AMP-Output →U5 2p
37	P61	Red-eye-ruduction Lamp Drive Signal →Q13B	77	P11	B.C.Voltage Input
38	P62	AnalogDisplayIlluminator Drive →Q12B	78	P12	Ready Voltage Detective →Q7C
39	P63	FinderIlluminatior Drive (Low intensity) →R3	79	P13	SpeedLight SaftyVoltage Detective →Q15C
40	P64	FinderIlluminator Drive (High intensty) →Q2B	80	P14	SpeedLight Trriger →Q9B

DB —— Data Back PI —— Photo Interrupter
BC —— Battery Check Mg ——Magnet

CPU (MSM64164) U2

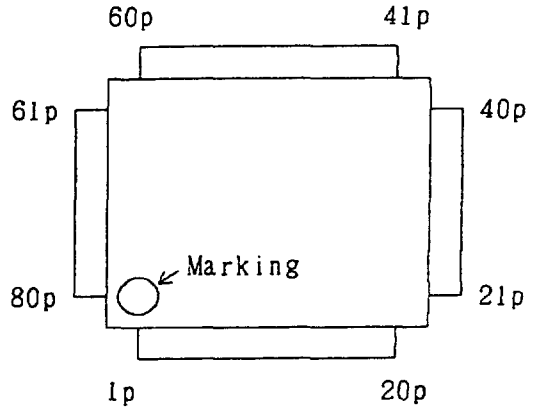
NO	PORT	Name & Contact	NO	PORT	Name & Contact
1	L2	LCD Segment → LCD	41	VSS	GND
2	L3	NC	42	VSS2	Power for LCD →C6
3	L4	↓	43	VSS3	Power for LCD →C7
4	L5	↓	44	C1	Conect to C8 →C8
5	L6	LCD Segment → LCD	45	C2	Conect to C8 →C8
6	L7	↓ → LCD	46	L17	LCD Segment → LCD
7	L8	↓ → LCD	47	L18	↓ → LCD
8	L9	↓ → LCD	48	L19	↓ → LCD
9	L10	↓ → LCD	49	L20	↓ → LCD
10	L11	↓ → LCD	50	L21	↓ → LCD
11	L12	↓ → LCD	51	L22	↓ → LCD
12	L13	↓ → LCD	52	L23	↓ → LCD
13	L14	↓ → LCD	53	L24	↓ → LCD
14	L15	↓ → LCD	54	L25	↓ → LCD
15	L16	↓ → LCD	55	P5.0	↓ → LCD
16	P2.0	→(Analog DisplayCPU D1) Q1B	56	P5.1	↓ → LCD
17	P2.1	→ Analog Display CPU A	57	P5.2	↓ → LCD
18	P2.2	→ Analog Display CPU B	58	P5.3	↓ → LCD
19	P2.3	→ AnalogDisplayCPU RA2	59	P6.0	↓ → LCD
20	P3.0	U2 SerialEnable →U1 36p	60	P6.1	↓ → LCD
21	P3.1	SD Trigger Switch → SDT	61	P6.2	↓ → LCD
22	P3.2	SW WakeUp Signal →PSST	62	P6.3	U1 Reset Output → Q6B
23	P3.3	SerialData Input→ 1/2R7	63	OSC2	Clock(Conect to R12)→ R12
24	P4.0	SerialDataOutput→2/2Q3E	64	OSC1	Clock(Conect to R12)→ R12
25	P4.1	U2 SerialControl→1/2Q3E	65	VDD	Vdd
26	P4.2	DataComunication→ 2/2R7	66	XT	CLock for Operation →X2
27	P4.3	2.3VOutput →U12 1p	67	XT	Clock for Operation →X2
28	BD	U7 ControlSignal→ U7 2p	68	RESET	Reset Input → U7 3p
29	VSSL	Power for LCD →C5	69	TEST1	NC
30	VDD	Vdd	70	TEST2	NC
31	RTO	NC	71	P1.0	→ Analog Display CPU C
32	CRTO	↓	72	P1.1	→ Analog Display CPU D
33	RSO	↓	73	P1.2	→ Analog Display CPU K
34	CSO	↓	74	P1.3	NC
35	IND	↓	75	P0.0	NC
36	INI	↓	76	P0.1	Camera Back Switch → BBS
37	CSI	↓	77	P0.2	DataBack Adjust SW → AJS
38	RSI	↓	78	P0.3	DataBack Select SW → SLS
39	RTI	↓	79	L0	LCD Segment → LCD
40	VSSI	GND	80	L1	↓ → LCD

AF (IR3S79) U4

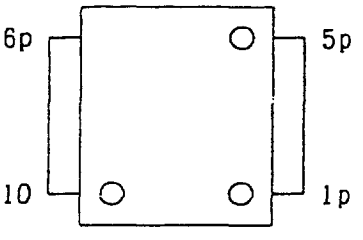
NO	PORT	Name & Contact	NO	PORT	Name & Contact
1	GND	GND	11	TEST1	NC
2	CH2	Conect to C109 →C109	12	TEST2	NC
3	PSDR2	NC	13	CINT	For Integer → C20
4	PSDC2	NC	14	DATA	Data In-Output →U1 50p
5	PSDL2	PSD Input(Near) →PSD1	15	CTRL	Control →U1 48p
6	PSDL1	PSD Input(Far) →PSD4	16	CKIN	Clock →D3→U1 49p
7	PSDC1	NC	17	IREDI	IRED Drive →Q16B
8	PSDR1	NC	18	IREDC	NC
9	CH1	Conect to C108 →C108	19	IREDR	NC
10	VCC	Vcc	20	FB	IRED Current Control→D6 K

AEIC (M52960FP) U5

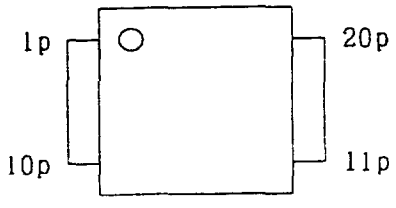
NO	PORT	Name & Contact	NO	PORT	Name & Contact
1	VREF	NC	6	TEST	NC
2	VOUT	Metering Output →U1 76p	7	CS	Chip Select →U1 47p
3	VCC	Vcc	8	DGND	GND
4	CHG	Charge Signal →U1 46p	9	AGND	GND
5	LS	Range Change →U1 45p	10	CLK	Clock for Output →U1 44p



U1, U2 Pin Number

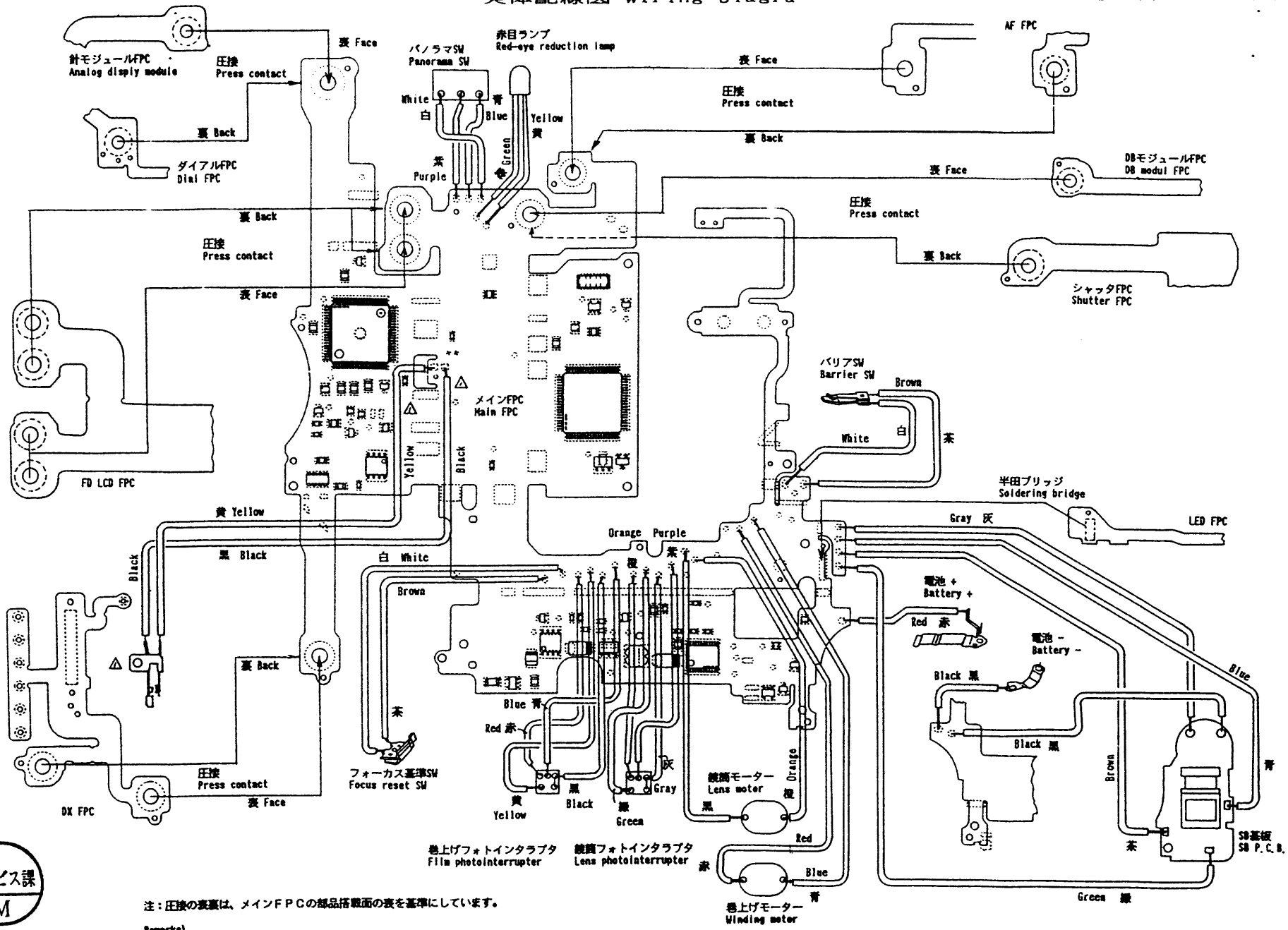


U5 Pin Number



U4 Pin Number

実体配線図 Wiring Diagra



注：圧接の表裏は、メインＦＰＣの部品搭載面の表を基準にしています。

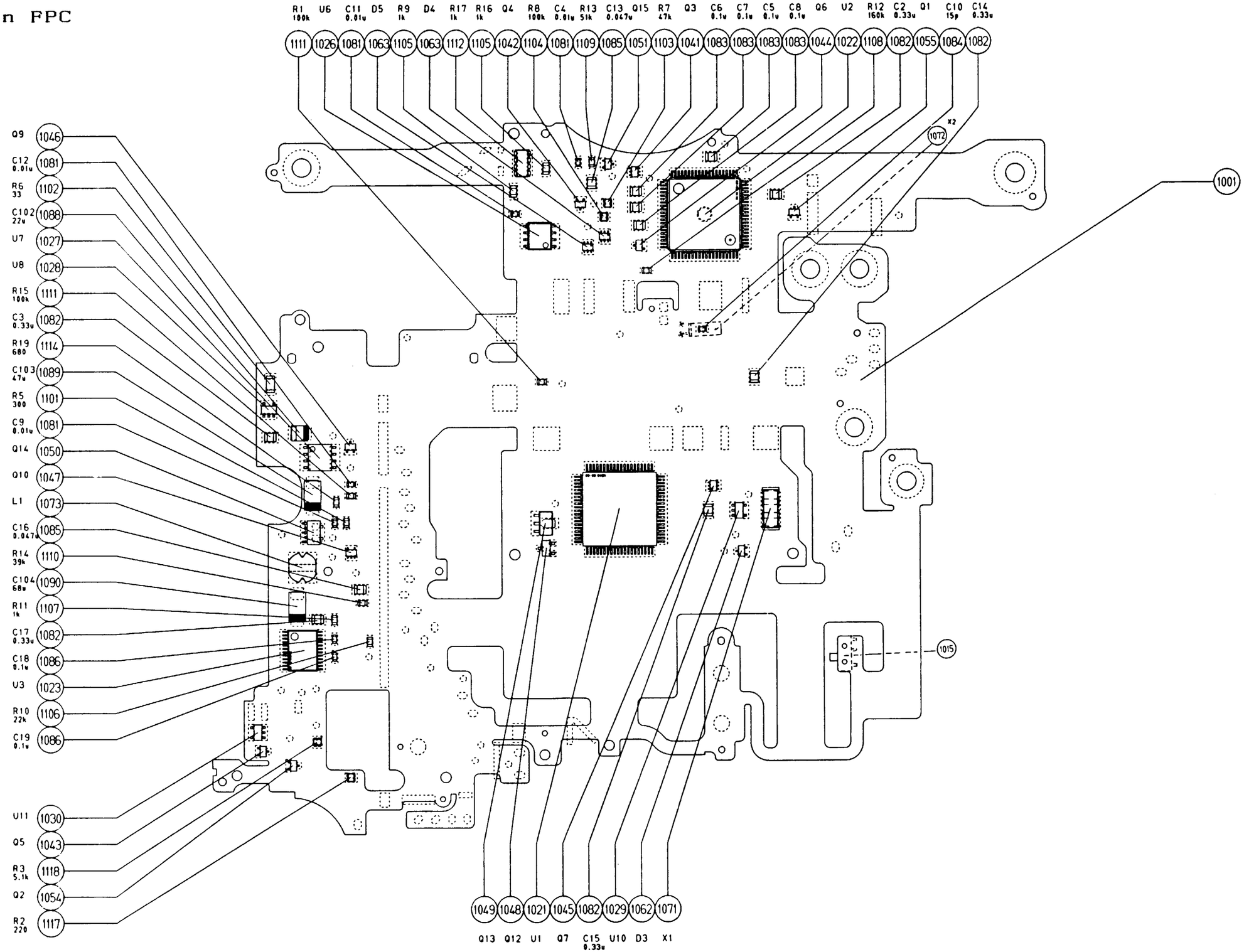
Remarks)
Regarding the instruction for press contact, the side loaded with Main FPC parts is definded as "face" in the drawing.

サービス課
M

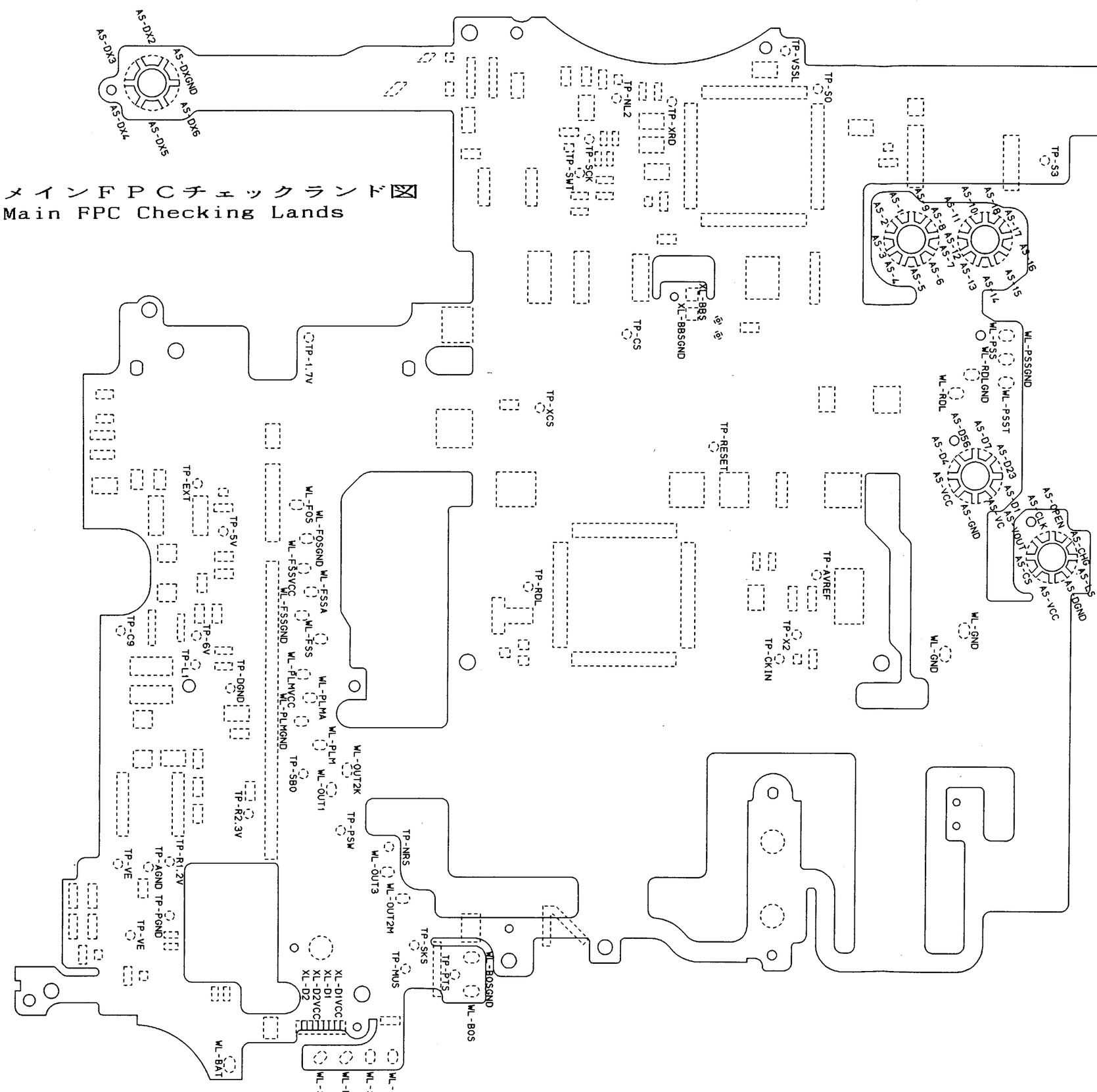
Jun. 12. 1995
⚠ x3 Change Page (差替え)

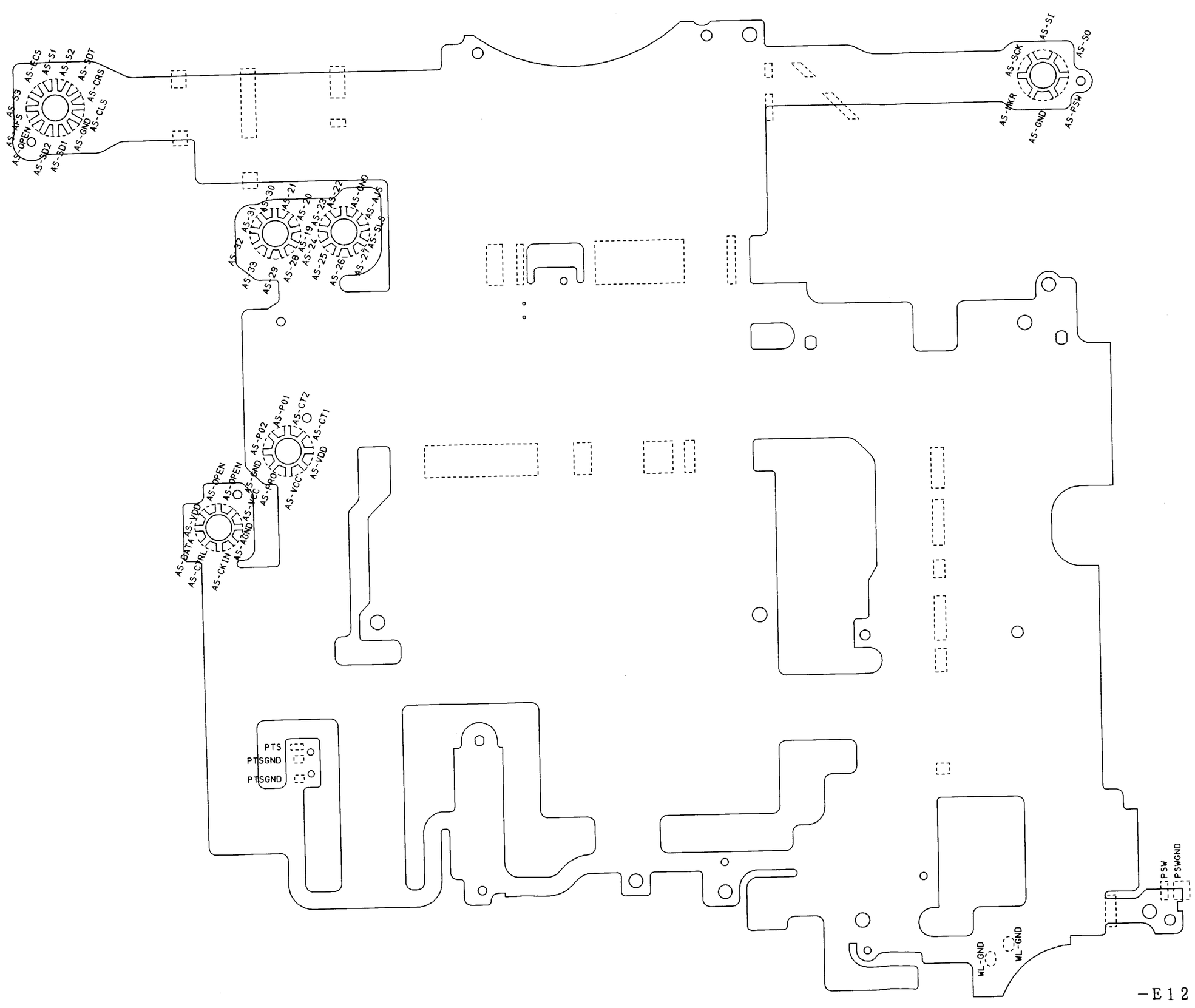
LCD
液　晶
LCD
BBS
PSW
SLS
AJS
DX
TPPSW
R11 1K
R10 22K
4.7K,47K
Q5
C11 0.01U
TPSB0
C10 15P
X2
TPRESET
R12 160K
47K,47K
Q6
Q15
R13 51K
C13 0.047u
Q9 4.7K,47K
TPNL2
Q7 22K,22K
U10 S-8124AOSO
C15 0.33U
C16 0.047u
TPX2
X1
R15 100K
R14 30K
C12 0.01U
TPAVREF
VE
SB0
GND
NL1
NL2
SBT
R19 A 680
A
アノード
VCC
FSS
PLM
PJ1 GND
PJ2 GND
K
Q10 4.7K,47K
鏡筒 Lens
巻上げモータ
Winding motor
U3 LB1832
C17 0.33u
C18 0.1U
C19 0.1U
Lens motor
鏡筒モータ
FOS
BOS
シャッター Shutter
VRR VC CT2 CT1 PO2 PO1 IRF1 IRF2 VCC VLED S01 S02 S03 S04 VREF ADJ GND
PR
Analog display CPU
針表示CPU
GND C D K VCC
SB RA2 B A DI
Display CPU
表示CPU
U2
M5M64164
TPXCS
TPVSSL
C5 0.1U
C4 0.01U
Q4 10K,47K
針表示モジュール
Analog display ABL module
Q1 10K,47K
TPXRD
Q3 10K,47K
R8 100Kx2
R7 47Kx2
TPS0
TPSCK
TPSWT
TP5V
VDD(5V)
D1
D2
R3 5.1Kx2
R2 220x2
Q2 4.7K,10K
TP6V
TPVE
VE
TP1.7V
VDD(6V)
VDD(1.7V)
L1
TPLI
R5 300
C104 68U
Q14
C9 0.01u
TPEXT
U7 RS5RM
U8 S-8121F50
C3 0.33u
ABND
DGND
PGND
TPR1.2V
U11 RN5VT12A
TPAGND
TPDGND
TPPGND
TPC9
C103 47U
C102 22U
R6 33
C2 0.33U
C14 0.33U
TPPTS
TPSKS
TPWUS
TPWRS
TPRDL
SWT
D5
D4
DX
GND
DX6
DX3
DX2
DX5
DX4
R9 1K
R16 1K
R17 1Kx4
R1 100K
TPCS
CPU
U1
μPD78P054
P14/ANI4 P13/ANI3 P12/ANI2 P11/ANI1 P10/ANI0 AVREFO AVDD XT1/P07 XT2 IC XI X2 VDD P05/INTP5 P04/INTP4 P03/INTP3 P02/INTP2 P01/INTP1 P00/INTP0/TI00 RESET
P15/ANI5 P16/ANI6 P17/ANI7 AVSS P130/ANO0 P131/ANO1 AVREF1 P70/SI2/RXD P71/SO2/TXD P72/SCK2/ASCK P20/SI1 P21/SO1 P22/SCK1 P23/STB P24/BUSY P25/S10/SB0 P26/S00/SB1 P27/SCK0 P40 P41
P27/INTP7 P26/INTP6 P25/INTP5 P24/INTP4 P23/INTP3 P22/INTP2 P21/INTP1 P20/INTP0
P42 P43 P44 P45 P46 P47 P50 P51 P52 P53 P54 P55 VSS P56 P57 P60 P61 P62 P63 P64
U6 S-2915A1
SK CS VCC DI DO GND TEST
C1 0.068U
TPCKIN
D3
Q13 90,0.8K
Q12 2.2K,10K
RDL
TPVCC
L2
C20 0.068U
C108 0.47U
C107 22U
C106 150U
R21 22K
Q16
D6
TPIREDA
TPIREDC
TPIREDL
R22 0.68
R23 0.56
U4 IR3579
TEST1 TEST2 XINT DATA I/O CTRL CKIN XREDL XREDC XREDR FB VCC CHI PSDRV PSDCK PSDIL PSDIA PSDRA CH2 GND
TPCHI
TPCH2
(5X4) P5D
C109 0.47U
U5 M52960FP
LS CH8 VCC VOUT VREF TEST CS DATA ADJ CLK
C105 6.8U
AE AF FPC
欠番 U9,U12,Q8,Q11,C101,R4,R18,R20
ダイアル FPC
Dial FPC
D.B.モジュール
D.B. module
PSST PTS PSS
S2 S3 S1
SDT CRS SDI SRQ CLS
AFS ESS
DI DC3 D4 GND D56 D7 VC VCC
DX
GND PSW SI SO SCK MKR
通信端子
MAINFPC

メインＦＰＣ実装図
Main FPC

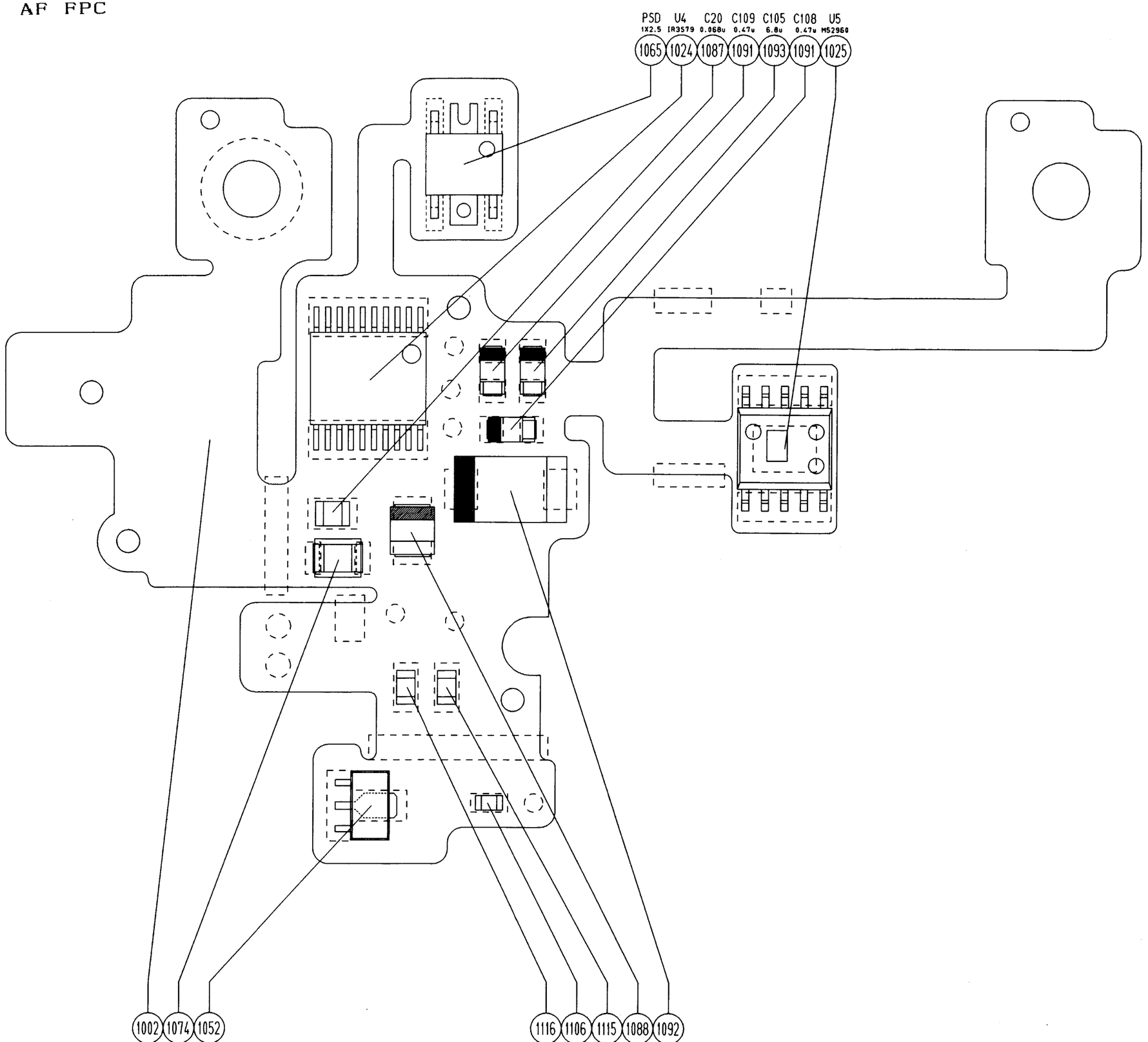


メインＦＰＣチェックランド図
Main FPC Checking Lands

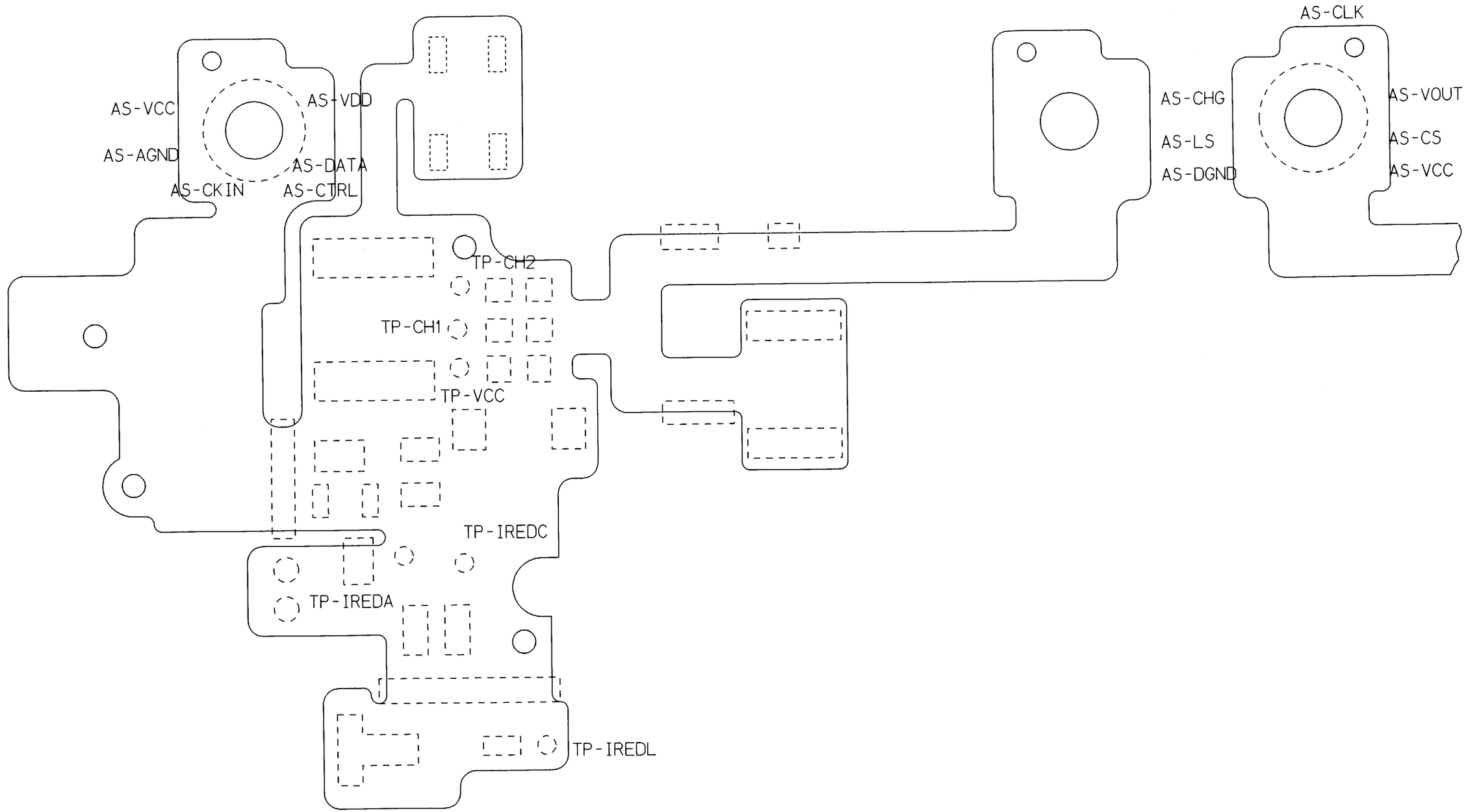



AS-SS
AS-ECS
AS-S1
AS-S2
AS-SDT
AS-CRS
AS-AFS
AS-OPEN
AS-SD2
AS-SD1
AS-GND
AS-CLS
AS-SCK
AS-SI
AS-SO
AS-MKR
AS-GND
AS-PSW
AS-32
AS-31
AS-30
AS-21
AS-20
AS-23
AS-22
AS-GND
AS-AVS
AS-SLS
AS-33
AS-29
AS-28
AS-19
AS-24
AS-25
AS-26
AS-27
AS-VDD
AS-OPEN
AS-OPEN
AS-GND
AS-P02
AS-P01
AS-CT2
AS-CT1
AS-VDD
AS-PAT4
AS-CTRL
AS-CKIN
AS-AGND
AS-VCC
PTS
PTSGND
PTSGND
PSW
PSWGND
WL-GND
WL-GND

AF FPC


PSD
1X2.5
U4
IR3579
C20
0.068u
C109
0.47u
C105
6.8u
C108
0.47u
U5
M52960
1065
1024
1087
1091
1093
1091
1025
1002
1074
1052
1116
1106
1115
1088
1092

ＡＦ　ＦＰＣ　チェックランド図
AF FPC Checking Lands



E² PROM DATA

Address, type of data		Data		Upper	Lower
0	(0H) A	Shutter release time			
1	(1H) A	Lens pulse counter	Film counter		
2	(2H) — —	US version switch	Module analogue display (Fixed)		3
3	(3H) A	PA mode Present position	AF mode Present position of		
4	(4H) A	Counter mode Present position	+ / - mode Present position		
5	(5H) A		Keep selection of CF mode		
6	(6H) A	Keep previous month data	Keep previous day data		
7	(7H) A		Keep previous day year		
8	(8H) Fixed	Judgment of rewind time		8	2
9	(9H) Fixed	Shutter control		79	00
10	(AH) Fixe	Shutter control	Shutter control	23	30
11	(BH) Fixe	Shutter control	Shutter control	46	38
12	(CH) Fixe	Film supply control	Film supply control	80	3
13	(DH) Fixe	Data back control		40	37
14	(EH) ADJ.	AF correction value r	AF correction value r		
15	(FH) ---	AF level value (Fixed)	AF shift value (ADJ.)	44	
16	(10H) Fixe	Lens varrel control		24	00
17	(11H) Fixed	Lens varrel control		7	135
18	(12H) Fixed	Lens varrel control		00	251
19	(13H) Fixed	Lens varrel control		100	25
20	(14H) Fixed	Lens varrel control		56	52
21	(15H) Fixed	Lens varrel control		60	19
22	(16H) Fixed	Pre-release timer control	Shutter control	4	10
23	(17H) Fixed	Shutter control	Shutter control	46	46
24	(18H) ----	Shutter exposure control (ADJ.)	Shutter control (Fixed)		62
25	(19H) ADJ.	Lens barrel pulse shift (BF)			
26	(1AH) ----	Exposure control (ADJ.)	SB charger control (Fixed)		20
27	(1BH) ADJ.	BC level 2	BC level 1		
28	(1CH) ADJ.	BV shift 2	BV shift 1		

Address, type of data		Data		Upper	Lower
29	(1DH) ADJ.	BV shift 4	BV shift 3		
30	(1EH) ADJ.	BV shift 6	BV shift 5		
31	(1FH) ADJ.	un-use	BV r	00	
32	(20H) Fixe	BL	AP control	36	82
33	(21H) Fixed	AE control	BL	00	78
34	(22H) Fixed	AE control	AE control	00	00
35	(23H) Fixed	AE control	AE control	00	00
36	(24H) Fixed	AE control	AE control	00	00
37	(25H) Fixed	Shutter control	shutter control	21	26
38	(26H) Fixed	FM control	Shutter control	82	23
39	(27H) Fixed	AP		00	00
40	(28H) Fixed	lens barrel control		00	00
41	(29H)	For production stage			
	|	|			
63	(3FH)	For production stage			

Notes for above tables:

1. Variation;
   . Adjustment value (ADJ.) : Date written during camera adjustment.
   . Fixed value (Fixed) : Data in which a fixed value is to be written.
   . Fixed and Adjustment (---) : Upper data and lower data are diffirent variation.
   . Ref1 USA version DATA 0
   Other version DATA 255

* Both upper and lower value are decimal number.

Inspection standard for repair tools

〔1〕 Inspection standard for repair ---------- R 1

〔2〕 Tools ---------- T 1

Conditions for inspection

Normal remperature:	25±5 ° C (Relative humidity: 65±20%)
Power source:	3.0 ±0.03V, 2A or more at 0.5Ω load
Loght source:	Surface light source 2.854° K
K coefficient:	1.3

[1] Inspection standard

FCA22001-R. 3339. A

	Item	Standard	Tools
Photo graph	Frame size	Shorter side: $24^{+0.8mm}_{-0.3mm}$ Longer side: $36^{+0.8mm}_{-0.3mm}$ Shorter side of panorama frame: $13.3^{+1.5mm}_{-0.3mm}$	Slide calipers Scale Film
	Frame-to-frame space	0.5 - 3.5mm	
	Frame position	・Over 0.2mm between film perforation and frame. ・Inclination of frame is less than 0.15mm.	
	Light leakage	No light leakage is detected when 200,000 lux. min. (over 40,000 lux × hour) light is exposed from all directions.	Light leakage tester Film (Tri-X)

AE accuracy	AE accuracy Make inspections five times and the results should meet the following conditions. ISO : 100					
	Mode	Exposure value		Allowance	Exposure variation	Difference of each EV
	P	2 ~11 EV		±0.8 BV	0.6 EV	Not to be inverted
		11~14 EV			0.8 EV	
		14~16 EV		±1.0 BV	1.0 EV	
	A	F2.8~F5.6		±0.5 BV	0.6 EV	Not to be inverted
		F6.7~F11	Under 1/125	±0.8 BV	0.7 EV	
			Over 1/125		0.6 EV	
		F13 ~F22	Under 1/125	±1.0 BV	0.7 EV	
			Over 1/125			
	Allowance in conversion is obtained by adding ±0.125 BV to the above values.					
	Shutter operation in bright condition	shutter should operate at LV16 with ISO 1600 film speed setting.				
	Adjustment of tester	Settings: ISO 100, K=1.3, LV9 Set lens to Wide position, open shutter sector and then set camera to tester. Under above condition, set tester's switch to "CAL" and adjust tester with variable resistor so that indication will be +2.0BV.				

EF-511N DC regulated power supply (with 0.5 Ω)

<table>
<tr><th></th><th colspan="5">Item</th><th colspan="3">Standard</th><th>Tools</th></tr>
<tr><td rowspan="5">PM accuracy</td><td colspan="5">Low brightness firing level</td><td colspan="3"></td><td rowspan="5">BF-511N DC regulated power supply (AE tester)</td></tr>
<tr><td>Mode</td><td>Exposure value</td><td>Allowance</td><td>Exposure variation</td><td>Difference of each BV</td><td colspan="3"></td></tr>
<tr><td>P</td><td>F2.8 ~F22</td><td>±1.0 AV</td><td>Within 0.9AV</td><td>Not to be inverted</td><td colspan="3"></td></tr>
<tr><td colspan="3">Low brightness firing level</td><td colspan="4">ISO 100BV BV9 ±1BV
Check the level with flash ready-light in Viewfinder.</td></tr>
<tr><td colspan="3">PTS datermination accuracy</td><td colspan="4">Make sure that PTS lamp lights up at BV 4.5V±1.0BV for all ISO film speed.</td></tr>
<tr><td>AF accuracy</td><td colspan="8">AF distance pulse value and change-over point: Following values should be satisfied when camera and standard reflector are placed separating them by specified distance and checked by using personal computer.
<table><tr><th>Distance</th><th>Reference pulse</th><th>Allowance</th></tr><tr><td>0.4mm</td><td>749.4</td><td>±6.0</td></tr><tr><td>0.67mm</td><td>511.8</td><td>±6.9</td></tr><tr><td>1.0mm</td><td>400.6</td><td>±7.3</td></tr><tr><td>1.5mm</td><td>327.1</td><td>±7.5</td></tr><tr><td>2.0mm</td><td>290.9</td><td>±7.7</td></tr><tr><td>3.0mm</td><td>255.0</td><td>±7.8</td></tr><tr><td>4.0mm</td><td>237.1</td><td>±7.9</td></tr><tr><td>4.4mm</td><td>232.3</td><td>±7.9</td></tr><tr><td>5.0mm</td><td>226.5</td><td>±7.9</td></tr></table></td><td>Standard reflector
Personal computer (PC-9800)
Measuring tape</td></tr>
<tr><td colspan="3">Distance-too-close warning</td><td colspan="4">40±2cm
Focus bracket indicator in viewfinder blinks.</td></tr>
<tr><td rowspan="6">Lens barrel Back focus</td><td rowspan="3">Lens barrel switching time and current</td><td colspan="2">lens barrel position</td><td>Driving time</td><td>Driving current</td><td colspan="2"></td><td rowspan="6">Oscilloscope
DC regulated power supply (with 0.5 Ω)
Stopwatch

Collimator
FFD adjustment focus stand</td></tr>
<tr><td colspan="2">Lens retraction → Focusing standard</td><td rowspan="2">Within 1.5 sec.</td><td rowspan="2">Within 700 mA</td><td colspan="2"></td></tr>
<tr><td colspan="2">Lens retraction ← Focusing standard</td><td colspan="2"></td></tr>
<tr><td colspan="3">Position of the tip of lens barrel</td><td colspan="4">10.7±2mm
Measure lens barrel retracted length at focusing standard position</td></tr>
<tr><td colspan="3">Lens barrel stops abnormally</td><td colspan="4">Under 2.0kg
No abnormality is found when lens barrel is stopped forcefully with hand while operating.</td></tr>
<tr><td colspan="3">Back focus</td><td colspan="4">0 ±40μm
at infinity position on film guide</td></tr>
</table>

<table>
<tr><th></th><th>項　　目</th><th>判　　定　　基　　準</th><th>摘　　要</th></tr>
<tr><td rowspan="3">Speed-
light</td><td>Guide number</td><td>Guide number: 9.0 ±0.4EV
Central area light quantity at 3m distance when shutter is released immediately before flash fires.
(using a freash battery after the completion of film advance keeping charginh time off)</td><td rowspan="3">Flash meter
Lithium battery
Measuring tape
Reference reflector
Stopwatch</td></tr>
<tr><td>Recycling time</td><td>6 seconds or shorter after firing using a freash battery until the first 4 exposures.</td></tr>
<tr><td>Light distribution feature</td><td>Measure light at following point.
Diifference from center should be within -1.0EV.<table><tr><th>Top</th><th>Bottom</th><th>Right</th><th>Left</th></tr><tr><td>20°</td><td>23°</td><td>31°</td><td>28°</td></tr></table>Unusual unevenness not found.</td></tr>
<tr><td></td><td>Color temperature</td><td>5,800 ±300 ° K</td><td>Color temperature meter</td></tr>
<tr><td rowspan="4">Viewfinder</td><td>Diopter</td><td>-1±1 dpt</td><td rowspan="4">Diopter telescope
Viewfild chart
Film scale</td></tr>
<tr><td>Viewfinder coverage</td><td>Regular size: 85±5%
Panorama size: 73-95%
in all detections</td></tr>
<tr><td>Parallax</td><td>Image in the viewfinder does not protrude over the actual image at 3m distance.</td></tr>
<tr><td>Magnification</td><td>0.5 ±0.05</td></tr>
<tr><td rowspan="7">Current consump-
tion</td><td>Self-timer</td><td>10±3 seconds</td><td rowspan="7">Oscilloscope
Stopwatch
DC regulated power supply (with 0.5 Ω)
Film</td></tr>
<tr><td>Battery check voltage</td><td>Warning level: 2.30 ±0.05V
Shutter release lock: 2.15±0.05V</td></tr>
<tr><td>Standby current</td><td>20μA or less when main switch is OFF.</td></tr>
<tr><td>shutter pre-release current</td><td>35mA or less</td></tr>
<tr><td>In film advance/ rewind operation</td><td>Film advance: 700mA or less
Film rewind: 600mA or less</td></tr>
<tr><td>PTS lamp</td><td>Current consumption: 800mA or less</td></tr>
<tr><td>Clearance on external surface</td><td>0.2mm or less</td></tr>
</table>

[2] TOOLs

1. Major measuring instruments

Tool No.	Name	Model
Non	Oscilloscope	Yokogawa DL-1200
Non	Slide calipers	
J15134	Torque driver	
J9001-5	DC regulated power supply	Metronics 526, 0-18V, 2A
J9006-6	Digital multimeter	Hioki 3200
J18190	Reference reflector	Oxford Gray No. 22 30x50cm
J19019	Collimator	Goko 24LT-2DTS f=193.5mm
J19036	Multi shutter tester	BF-511N OR BF-8000
J15291	F. P. D. adjustment focus stand	
J15134	Adjustment tool	
J18236	Adjustment FD	
J18006	Parallax adjustment board	
J18033	Focus glass for parallax adjustment	

作成承認印	配布許可印
ニコンカメラサービス部 GM	

Nikon 35Ti FCA 22001

QUARTZ DATE

PARTS LIST (REVISED-1)

修 理 部 品 表 (改訂－1)

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Tokyo, Japan

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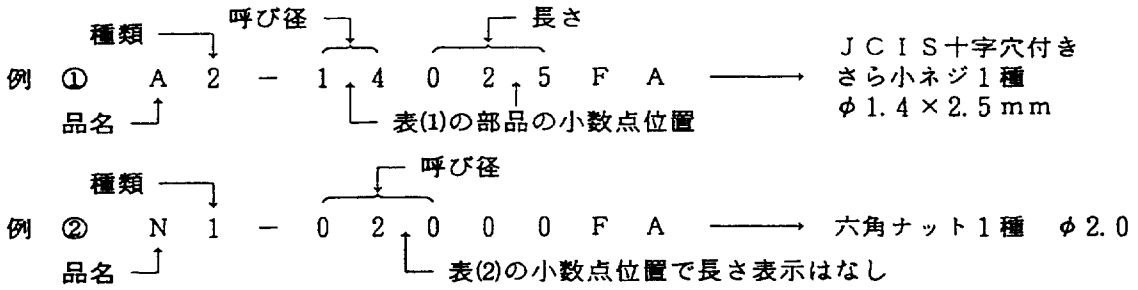
Feb. 10, 1994

Printed in Japan February

記号説明　MARKS IN THE PARTS LIST

(1) 機械標準品

下の表に示す機械標準品の部品番号は品名、種類、呼び径、長さを示しています。



(1) Standard mechanical parts
Reference Number in the Parts List

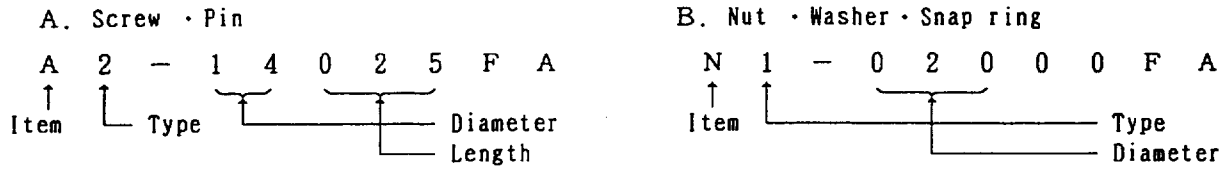


表　1

品名 Item		種類 Type	
ＪＣＩＳ 十字穴付き小ねじ１種 Cross-point screw 1	A	なべ Pan	1
		さら Countersunk	2
		丸さら Oval	3
ＪＣＩＳ 十字穴付き小ねじ３種 Cross-point screw 3	B	なべ Pan	1
		さら Countersunk	2
		丸さら Oval	3
十字穴付き小ねじ Cross-point screw	C	なべ Pan	1
		さら Countersunk	2
		丸さら Oval	3
		トラス Trus	4
十字穴付きタップタイタイトねじB型 Cross-point tapped screw B	F	なべ Pan	1
		さら Countersunk	2
十字穴付きタップタイタイトねじB型１種 Cross-point tapped screw B1	G	なべ Pan	1
		さら Countersunk	2
		丸さら Oval	3
十字穴付きタップタイタイトねじB型３種 Cross-point tapped screw B3	H	なべ Pan	1
		さら Countersunk	2
		丸さら Oval	3

品名 Item		種類 Type	
すりわり付き止めねじ Splitted set screw	K	丸先 Round point	1
		とがり先 Cone point	2
		くぼみ先 Half point	3
六角穴付き止めねじ Hexagon socket head set screw	L	とがり先 Cone point	2
		くぼみ先 Half point	3
		平先 Normal	4
六角穴付きボルト Hexagon socket head bolt	M		1
		M2, M2.6	2
平行ピン Straight pin	P		1
		ステンレス Stainless steel	5
テーパーピン Taper pin			2
スプリングピン Spring cotter		一般用 Normal	3
		軽荷重用 Light	4

表　2

品名 Item		種類 Type	
六角ナット Hexagon nut	K	１種 Type 1	1
		１種 Type 3	3
平座金 Washer	R	小形丸	1
		みがき丸	2
ばね座金 Spring washer			5
E型止め環 E-snap ring	S	E型 Type E	1
		G型 Type G	2
		GS型 Type GS	3

(2) 販売区分欄 The term of sale colum

記 号 Mark	説 明 Explanation	
○	Can be Supplied individually	単独部品として販売するもの
△	Not supplied individually but only as subassembly.	部組品でなければ販売しないもの
○△	Supplied either as part or subassembly	単独部品でも部組品でも販売するもの
×	Not considered as repair part	修理部品と考えないもの
※	Should be sent to the factory if the repair needed.	単体では交換できないので、組む場合に工場での加工が必要なもの
⊠	Delivered as a product from the sales department (i.e., not supplied as repair part)	商品として販売店で販売しているもの（修理部品扱いはしない）

(3) 備考欄 The remarks colum

F-601M	Part number used in common	共通部品番号
(Blue ×125mm)	Lead wire (color × length)	コードの色と長さ
53F-2013 (FM-780028)	Technical information ref. number (number in parenthesis; English edition)	製品技術資料No. （ ）内は英文
(2.1×3.8 ×0.07)	Washer (internal diameter × external diameter×thickness)	ワッシャー （内径×外径×厚さ）
(Black)	Black-finished parts	黒部品
(d=0.2)	Diameter of wire	線型＝0.2
(t= 1)	Thickness	厚さ＝1
Rev.	Revision	訂正
Add.	Addition	追加
Dis.	Discontinuation	廃止
OLD	Parts of the intial design	旧部品
◆	Limited part	ＲＰ限定出庫部品
RP-9001	Repair part information No.	ＲＰ情報Ｎｏ.
R1.., D1...., W1... C1.., Q1...., P1...	Abbreviation for electronic part	電気部品記号
TA-0003	Number (TA-****) are order numbers of adhesive tape. (For the order of adhesive tape, the number 1K***-*** is not use).	接着テープ要求部番 (1K***-*** では部品要求できません。)
W-0056BE	Number (W-0056BE) are order numbers of Lead wire. (For the order of Lead wire, the number 1K***-*** is not use).	リードワイア要求部番 (1S***-*** では部品要求できません。)

＊ VERSATILE PART

＊ 既出部品

Apart maked with this pentagonal symblo is used commonly in the arcitecture of other products. That is called "VERSATILE PART". Note that every part, bearing new part number of eleven places, will turn into a VERSATILE PART when it is used in the design of future product.

テープ類ＴＡ設定部品一覧表

TAPES AND FILMS WITH PREFIX ALPHABETS TA

Dec. 17, 1991

部品 No. Part No.	名称 Name of part	色 Color	厚さ Thickness (t=mm)	幅 Widhs (mm)	長さ Length (m)	要求単位 Q'ty for a unit for crdering
TA－0001	ポリエステルフィルム Tape	透明 Transparent	0.025	10	30	1巻 1 roll
TA－0002	ポリエステルフィルム Tape	透明 Transparent	0.025	20	30	1巻 1 roll
TA－0003	両面接着テープ Both sided adhesive tape	白 White	0.16	10	2	1巻 1 roll
TA－0004	両面接着テープ Both sided adhesive tape	黒 Black	0.14	12	50	1巻 1 roll
TA－0005	ポリエステルフィルム Tape	黄 Yellow	0.06	19	66	1巻 1 roll
TA－0006S	アセテートクロス（シート） Tape (200x120/sheet)	黒 Black	0.23	6	200 (mm)	1set (20pcs)
TA－0007	銅泊導電性 Tape, copper foil	銅泊 Copper foil	0.11	4	6	1巻 1 roll
TA－0008	ポリエステルフィルム Tape	透明 Transparent	0.055	30	30	1巻 1 roll
TA－0009	カプトンフィルム Tape	琥珀 Amber	0.07	6	30	1巻 1 roll
TA－0010	両面接着テープ Both sided adhesive tape	乳白色 Opal	0.16	15	36	1巻 1 roll
TA－0011	ポリエステルフィルム Tape	黒 Black	0.06	10	30	1巻 1 roll
TA－0012	ポリエステルフィルム Tape	透明 Transparent	0.025	6	30	1巻 1 roll
TA－0013	アセテートクロス（シート） Tape (200x120/sheet)	黒 Black	0.23	20	200 (mm)	1set (20pcs)

リードワイヤー一覧表

LEAD WIRE LIST

DEC. 17, 1991

部品 No. Part No.	色 Color	外形 Diameter (outer tube)	導体サイズ Pcs. / Diameter (lead wire)	部品 No. Part No.	色 Color	外形 Diameter (outer tube)	導体サイズ Pcs. / Diameter (lead wire)
W−0045BN	Brown	0.45mm	7×0.05mm	W−0108BK	Black	1.08mm	7×0.16mm
W−0045RE	Red	-ditto-	-ditto-	W−0108BN	Brown	-ditto-	-ditto-
W−0045OR	Orange	-ditto-	-ditto-	W−0108RE	Red	-ditto-	-ditto-
W−0045GN	Green	-ditto-	-ditto-	W−0108OR	Orange	-ditto-	-ditto-
W−0045BE	Blue	-ditto-	-ditto-	W−0108YE	Yellow	-ditto-	-ditto-
W−0045PU	Purple	-ditto-	-ditto-	W−0108GN	Green	-ditto-	-ditto-
				W−0108BE	Blue	-ditto-	-ditto-
W−0056BK	Black	0.56mm	7×0.08mm	W−0108PU	Purple	-ditto-	-ditto-
W−0056BN	Brown	-ditto-	-ditto-	W−0108GY	Gray	-ditto-	-ditto-
W−0056RE	Red	-ditto-	-ditto-	W−0108WH	White	-ditto-	-ditto-
W−0056OR	Orange	-ditto-	-ditto-				
W−0056YE	Yellow	-ditto-	-ditto-	W−0120BK	Black	1.2 mm	7×0.18mm
W−0056GN	Green	-ditto-	-ditto-	W−0120BN	Brown	-ditto-	-ditto-
W−0056BE	Blue	-ditto-	-ditto-	W−0120RE	Red	-ditto-	-ditto-
W−0056PU	Purple	-ditto-	-ditto-	W−0120OR	Orange	-ditto-	-ditto-
W−0056GY	Gray	-ditto-	-ditto-	W−0120YE	Yellow	-ditto-	-ditto-
W−0056WH	White	-ditto-	-ditto-	W−0120GN	Green	-ditto-	-ditto-
W−0056PK	Pink	-ditto-	-ditto-	W−0120BE	Blue	-ditto-	-ditto-
				W−0120PU	Purple	-ditto-	-ditto-
				W−0120GY	Gray	-ditto-	-ditto-
				W−0120WH	White	-ditto-	-ditto-
W−0080BK	Black	0.80mm	7×0.12mm				
W−0080BN	Brown	-ditto-	-ditto-	W−0150BK	Black	1.5 mm	40×0.08mm
W−0080RE	Red	-ditto-	-ditto-	W−0150BN	Brown	-ditto-	-ditto-
W−0080OR	Orange	-ditto-	-ditto-	W−0150RE	Red	-ditto-	-ditto-
W−0080YE	Yellow	-ditto-	-ditto-	W−0150OR	Orange	-ditto-	-ditto-
W−0080GN	Green	-ditto-	-ditto-	W−0150YE	Yellow	-ditto-	-ditto-
W−0080BE	Blue	-ditto-	-ditto-	W−0150GN	Green	-ditto-	-ditto-
W−0080PU	Purple	-ditto-	-ditto-	W−0150BE	Blue	-ditto-	-ditto-
W−0080GY	Gray	-ditto-	-ditto-	W−0150PU	Purple	-ditto-	-ditto-
W−0080WH	White	-ditto-	-ditto-	W−0150GY	Gray	-ditto-	-ditto-
W−0080LB	Light blue	-ditto-	-ditto-	W−0150WH	White	-ditto-	-ditto-
1 roll=20m							

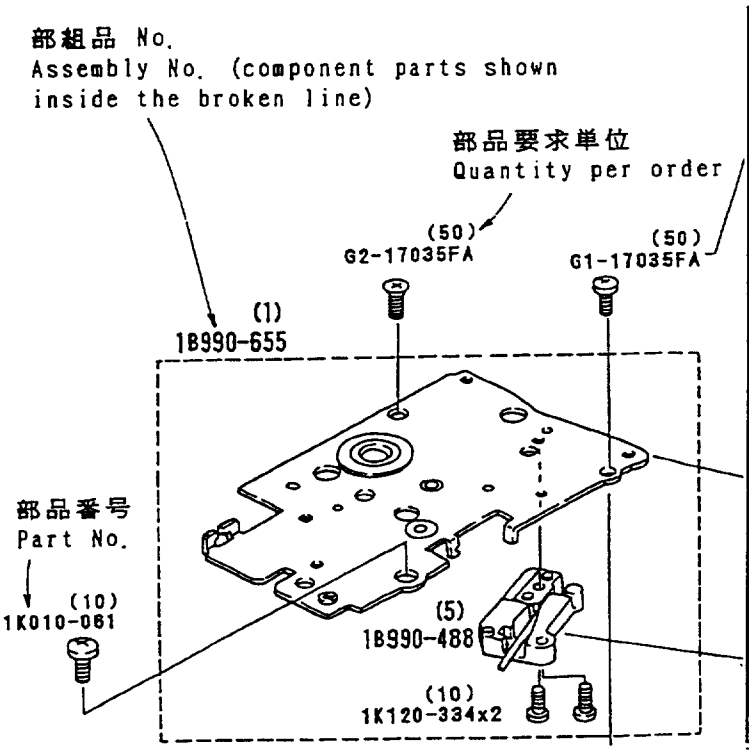
収縮チューブ一覧表

Thermal construction tube list

Dec. 17, 1991

部品 No. Part No.	名称 Name of part	直径 Diameter (φ)	長さ Length (m)	備考 Remaks
TU－0001	収縮チューブ Thermal construction tube	1.0mm	1	RP-8925
TU－0002	収縮チューブ Thermal construction tube	2.0mm	1	RP-8925
TU－0003	収縮チューブ Thermal construction tube	3.0mm	1	RP-8925
TU－0004	収縮チューブ Thermal construction tube	4.0mm	1	RP-8925

展開図の見方　How to use explosion drawings

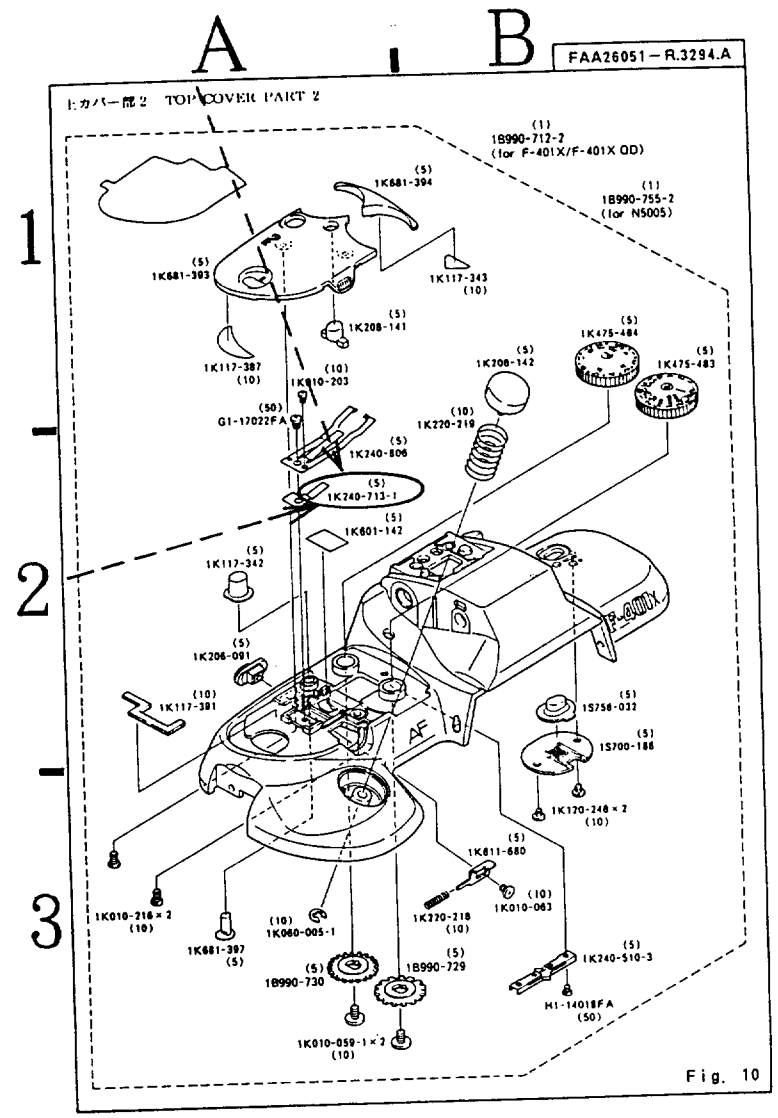


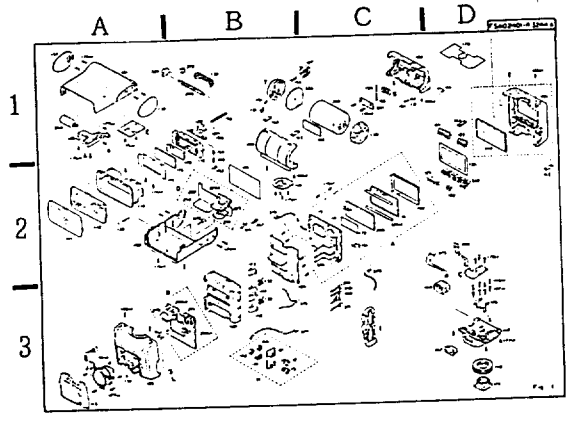
項　目 Part Classification	販売区分 Term of Supply	記号 Mark
破線外で部番の入っているもの Part with Part No., shown outside the broken line	単部品で要求できるもの Avilable as individual part	○
破線外で部番のないもの Part without Part No., shown outside the broken line	修理部品と考えないもの Not available as repair part	×
破線内で部番のないもの Part without Part No., shown inside the broken line.	部組品でなければで要求できないもの Avilable only as assembly.	△
破線内で部番の入っているもの Part with Part No., shown inside the broken line	単部品でも部組品でも要求できるもの Avilable as assembly or individually	○△

展開図中の部品位置を確認する手順
HOW TO FIND THE PART WITH PART NUMBER IN THE DRAWING

部品表 Parts List

部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
*1K240-516	573	シュー座板バネ Accessory shoe spring	1	1B990-712-2	9 A1	○△	F-401S F-601	5
*1K240-713-1	527	ロックバネB Lock spring B	1	1B990-712-2	10 A2	○△		5





① 部品表の参照図番欄のコードを見る。

Please refer to the letters written in the Fig. No. Column.

② 9，10等の数字は図面番号を示す。

The numbers 9 and 10 mean the Fig. number.

③ A1，A2等のアルファベットと数字の組み合わせは、図面中の部品の位置を示す。

例 A，B．．　は横方向の位置を示す。
1，2．．　は縦方向の位置を示す。

※ よって(1K240-713-1) はAと2が示す範囲内にある。

The combinations of alphabets and numbers, A1 and A2, point out the place of relevant parts in the drawing.

Example)

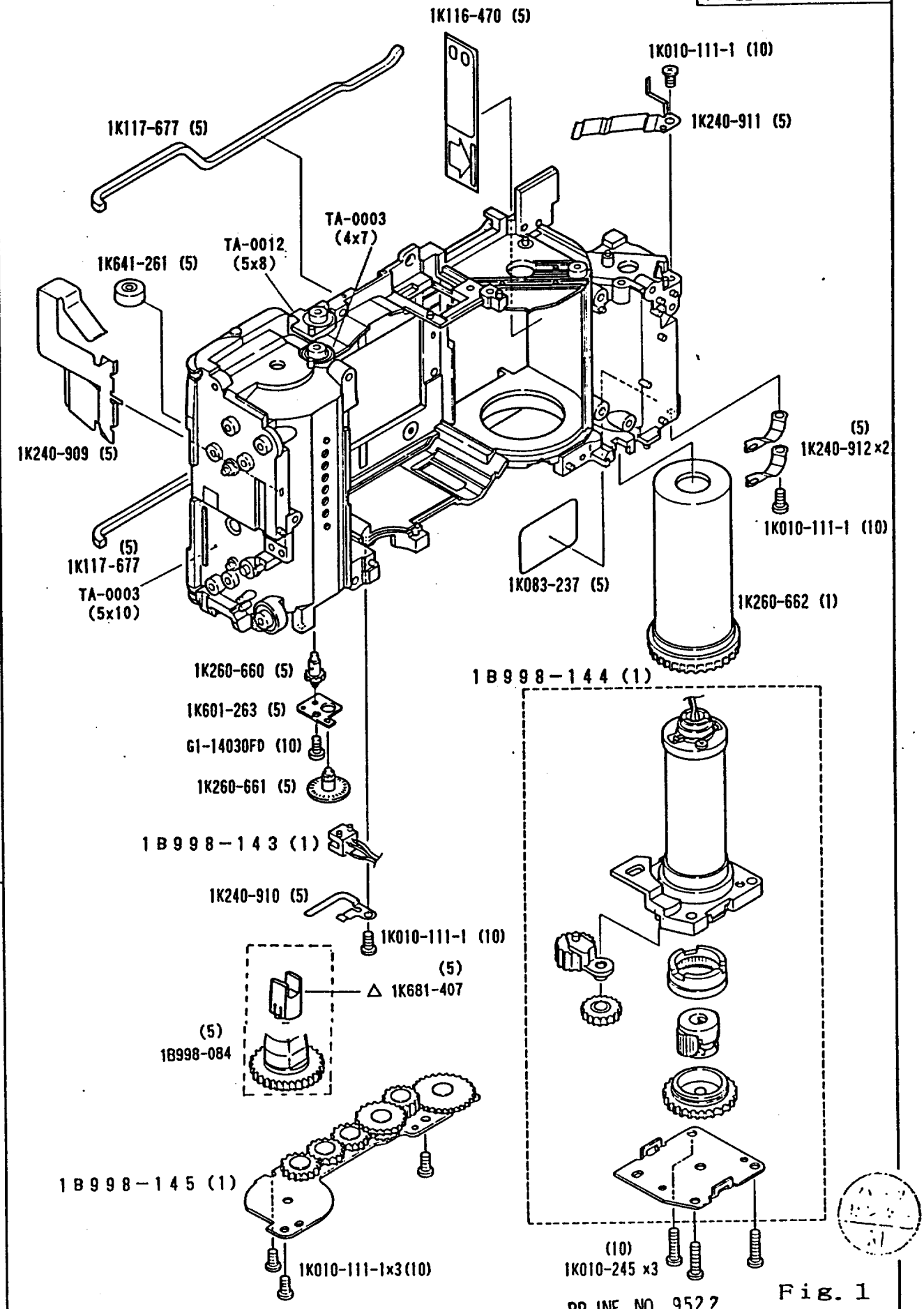
Alphabets like A and B point out the places along the holizontal direction.

Numbers like 1 and 2 point out the places along the vertical direction.

※It means that the part No. (1K240-713-1) is existing in the area where A and 2 are crossing.

④ 例外 -- ビス，ワッシャー等 は Fig No. のみ記載する。

As for screws and washers and the like, no code number showing existing place is discribed in the Fig. No. Column, but only the relevant drawing number (Fig. No.) is stated.


A
B
1
2
3
1K116-470 (5)
1K010-111-1 (10)
1K240-911 (5)
1K117-677 (5)
TA-0003 (4x7)
TA-0012 (5x8)
1K641-261 (5)
1K240-909 (5)
(5) 1K240-912 x2
1K010-111-1 (10)
(5) 1K117-677
TA-0003 (5x10)
1K083-237 (5)
1K260-662 (1)
1K260-660 (5)
1K601-263 (5)
GI-14030FD (10)
1K260-661 (5)
1B998-144 (1)
1B998-143 (1)
1K240-910 (5)
1K010-111-1 (10)
(5) △ 1K681-407
(5) 1B998-084
1B998-145 (1)
1K010-111-1x3(10)
(10) 1K010-245 x3
RP-INF. NO. 9522
Fig. 1

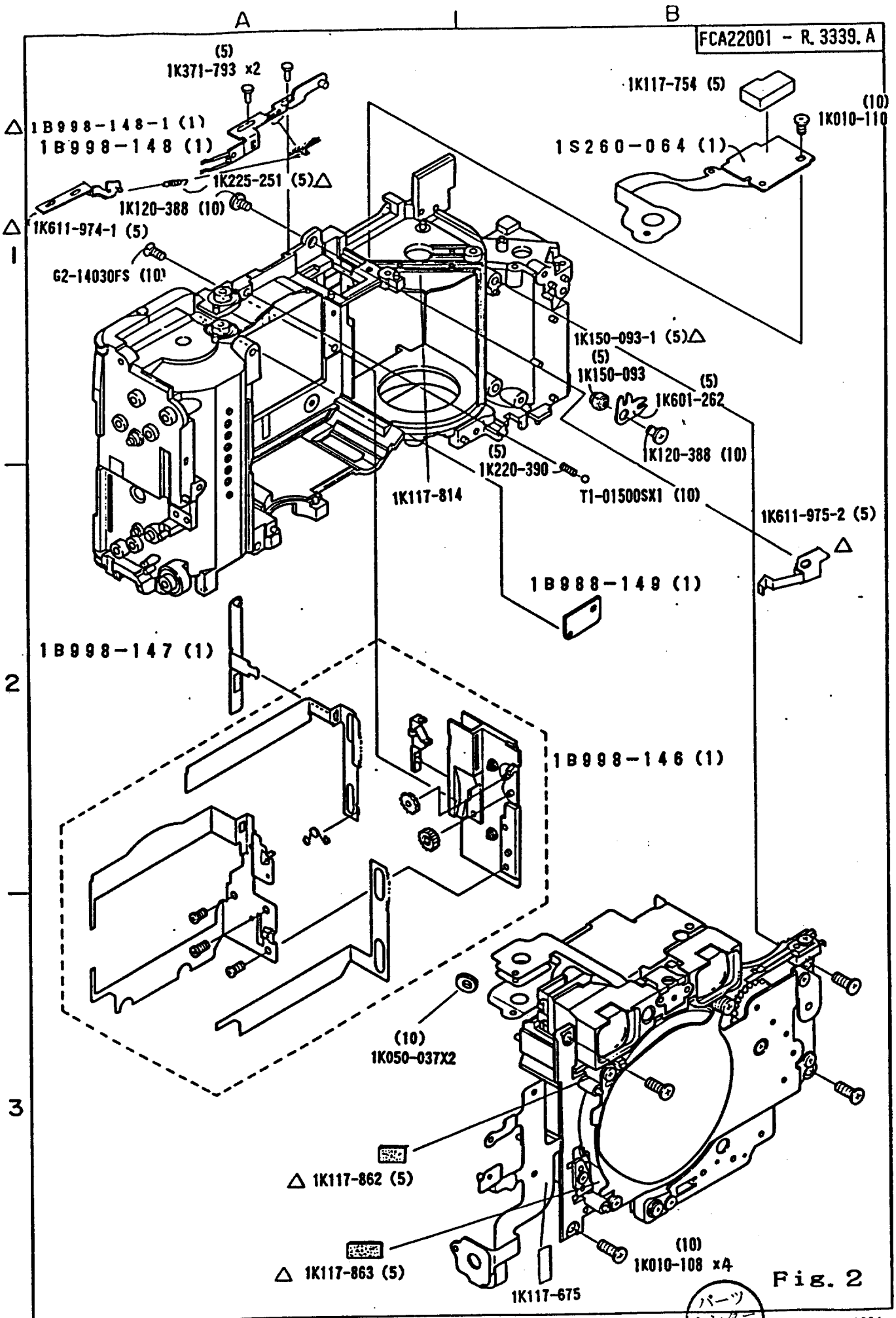


Fig. 2

パーツセンター M

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OCT.11.1994

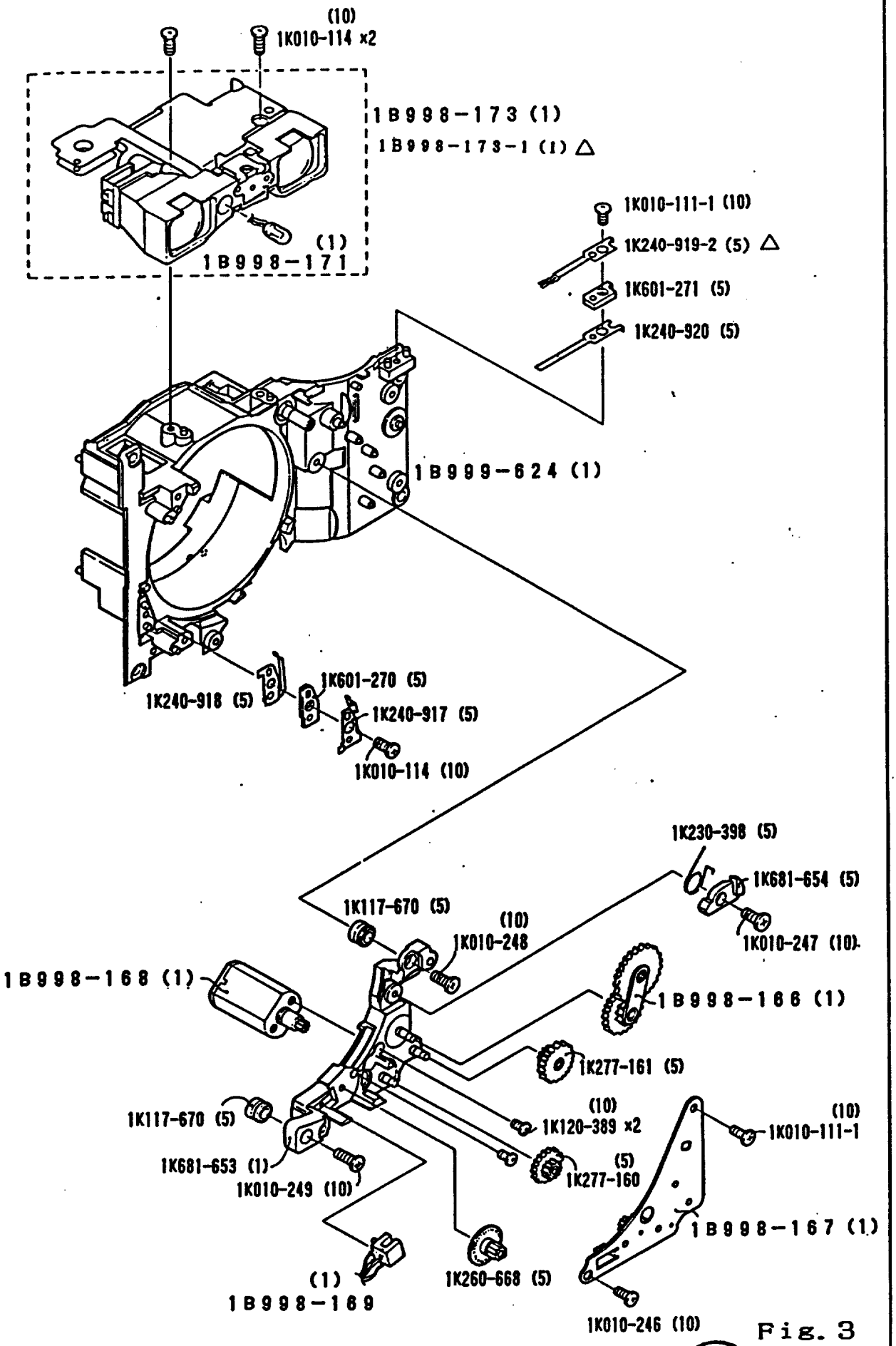

(10)
1K010-114 ×2
1B998-173 (1)
1B998-173-1 (1) △
(1)
1B998-171
1K010-111-1 (10)
1K240-919-2 (5) △
1K601-271 (5)
1K240-920 (5)
1B999-624 (1)
1K240-918 (5)
1K601-270 (5)
1K240-917 (5)
1K010-114 (10)
1K230-398 (5)
1K681-654 (5)
1K010-247 (10)
1K117-670 (5)
(10)
1K010-248
1B998-168 (1)
1B998-166 (1)
1K277-161 (5)
1K117-670 (5)
(10)
1K120-389 ×2
(10)
1K010-111-1
1K681-653 (1)
1K010-249 (10)
(5)
1K277-160
1B998-167 (1)
(1)
1B998-169
1K260-668 (5)
1K010-246 (10)

Fig. 3

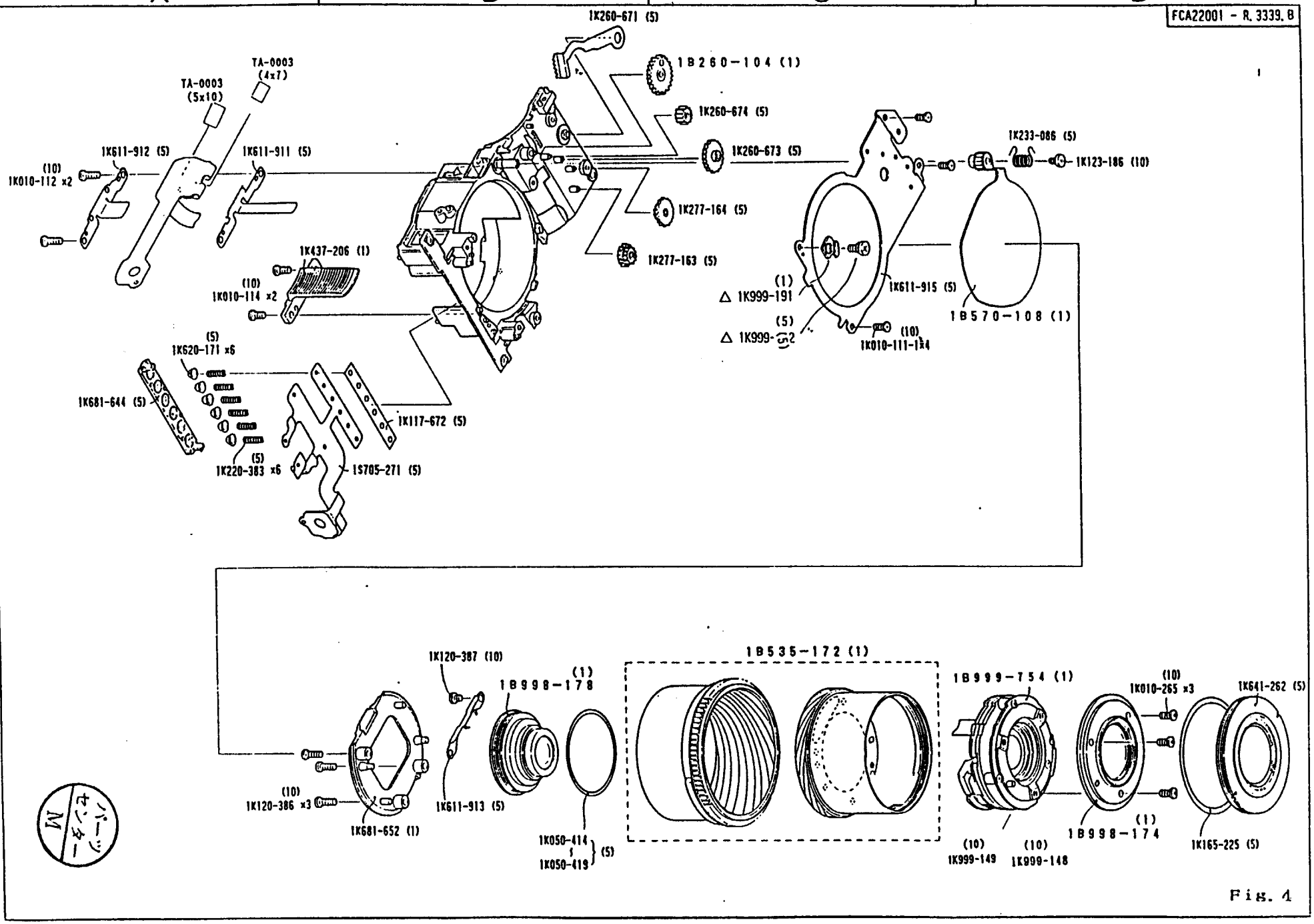
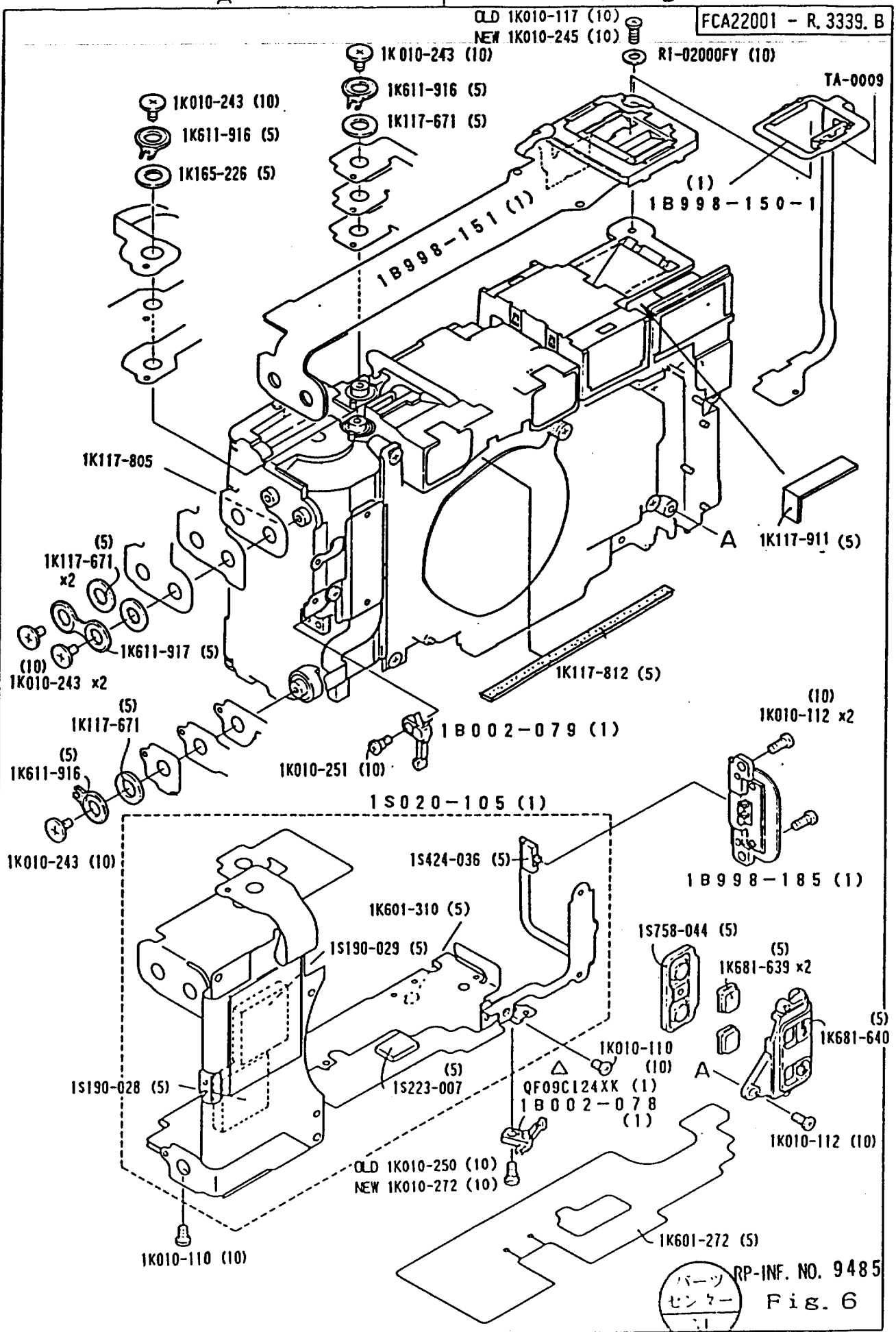

A
B
C
D
1
2
3
1K260-671 (5)
1B260-104 (1)
1K260-674 (5)
1K260-673 (5)
1K277-164 (5)
1K277-163 (5)
TA-0003 (4x7)
TA-0003 (5x10)
1K611-912 (5)
1K611-911 (5)
(10) 1K010-112 x2
1K437-206 (1)
(10) 1K010-114 x2
(5) 1K620-171 x6
1K681-644 (5)
(5) 1K220-383 x6
1K117-672 (5)
1S705-271 (5)
1K233-086 (5)
1K123-186 (10)
(1) △ 1K999-191
(5) △ 1K999-[illegible]2
1K611-915 (5)
(10) 1K010-111-1[illegible]4
1B570-108 (1)
1K120-387 (10)
1B998-178 (1)
1B535-172 (1)
(10) 1K120-386 x3
1K681-652 (1)
1K611-913 (5)
1K050-414 ~ 1K050-419 (5)
1B999-754 (1)
(10) 1K010-265 x3
1K641-262 (5)
(1) 1B998-174
1K165-225 (5)
(10) 1K999-149
(10) 1K999-148
ハーバーツ センター M

Fig. 1



RP-INF. NO. 9485

Fig. 6

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DEC. 22. 1994

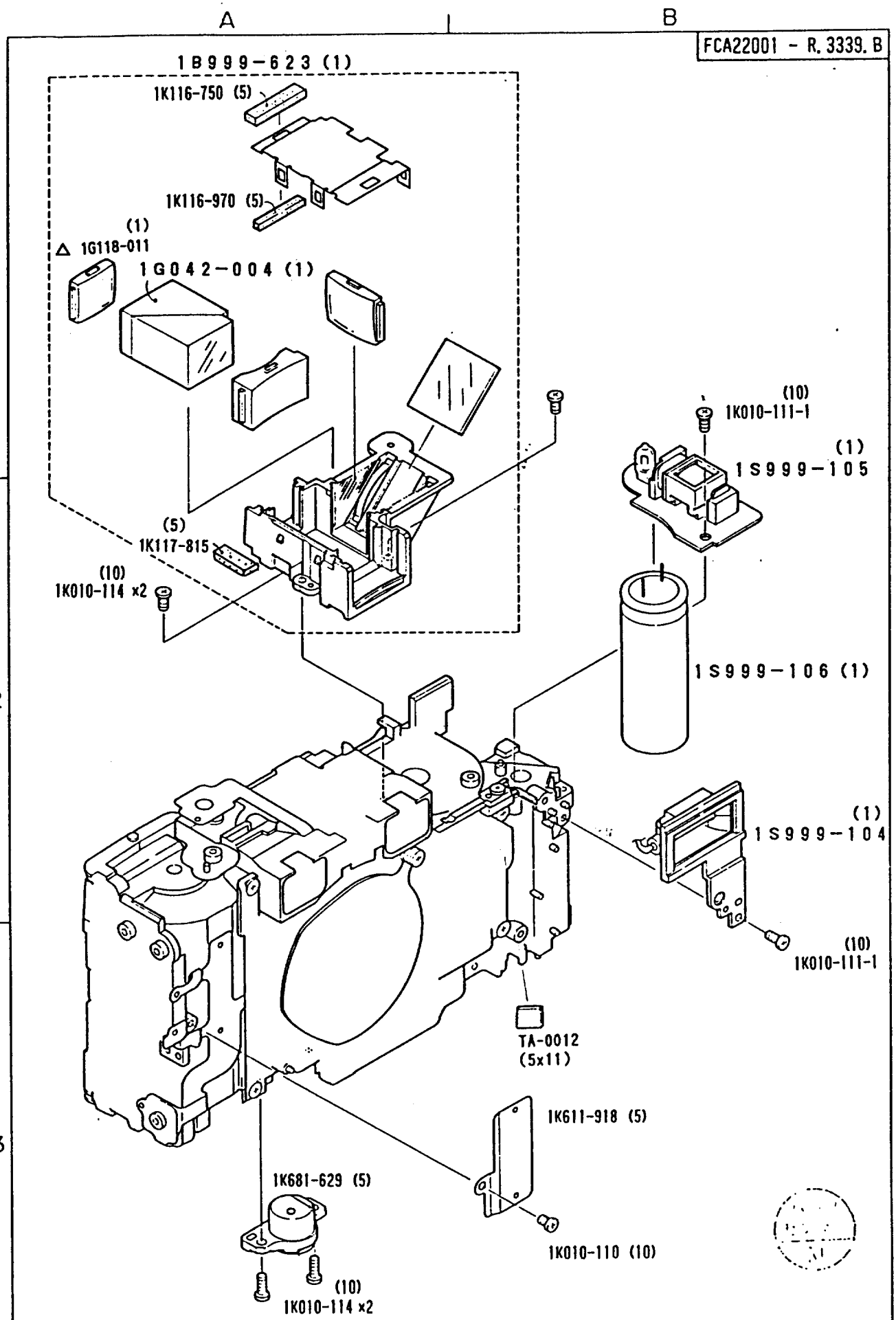
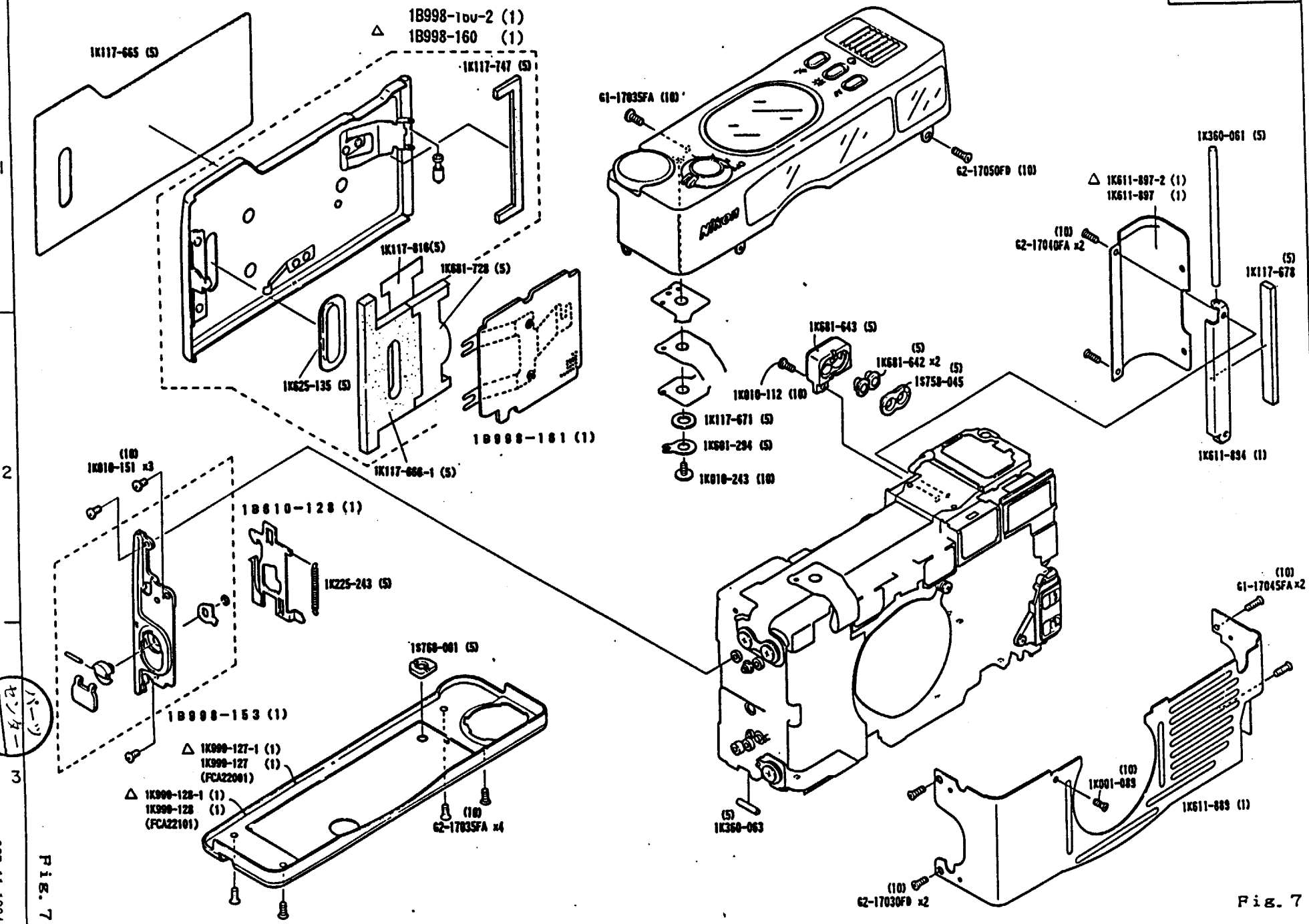

A
B
1
2
3
1B999-623 (1)
1K116-750 (5)
1K116-970 (5)
(1)
△ 1G118-011
1G042-004 (1)
(5)
1K117-815
(10)
1K010-114 ×2
(10)
1K010-111-1
(1)
1S999-105
1S999-106 (1)
(1)
1S999-104
(10)
1K010-111-1
TA-0012
(5x11)
1K611-918 (5)
1K681-629 (5)
1K010-110 (10)
(10)
1K010-114 ×2

Fig. 5



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2

3

パーツセンター M

OCT.11.1994

FCA22001 - R.3339.A

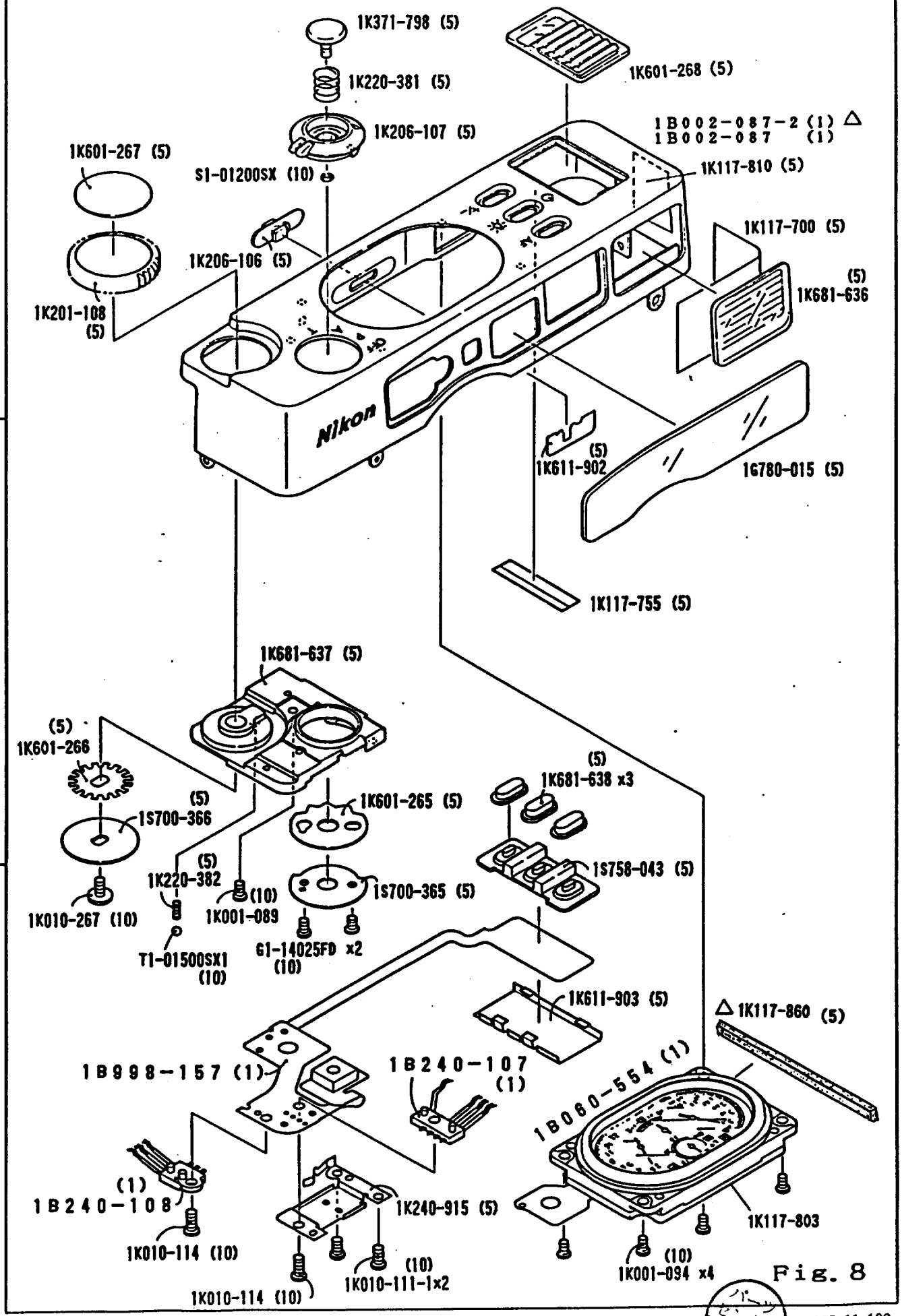
A
B
1
2
3
1K371-798 (5)
1K220-381 (5)
1K206-107 (5)
S1-01200SX (10)
1K601-267 (5)
1K201-108 (5)
1K206-106 (5)
1K601-268 (5)
1B002-087-2 (1) △
1B002-087 (1)
1K117-810 (5)
1K117-700 (5)
(5) 1K681-636
Nikon
(5) 1K611-902
1G780-015 (5)
1K117-755 (5)
1K681-637 (5)
(5) 1K601-266
(5) 1S700-366
1K010-267 (10)
(5) 1K220-382
T1-01500SX1 (10)
(10) 1K001-089
1K601-265 (5)
G1-14025FD x2 (10)
1S700-365 (5)
(5) 1K681-638 x3
1S758-043 (5)
1K611-903 (5)
△ 1K117-860 (5)
1B998-157 (1)
1B240-107 (1)
1B060-554 (1)
(1) 1B240-108
1K010-114 (10)
1K240-915 (5)
1K010-114 (10)
(10) 1K010-111-1x2
(10) 1K001-094 x4
1K117-803

Fig. 8

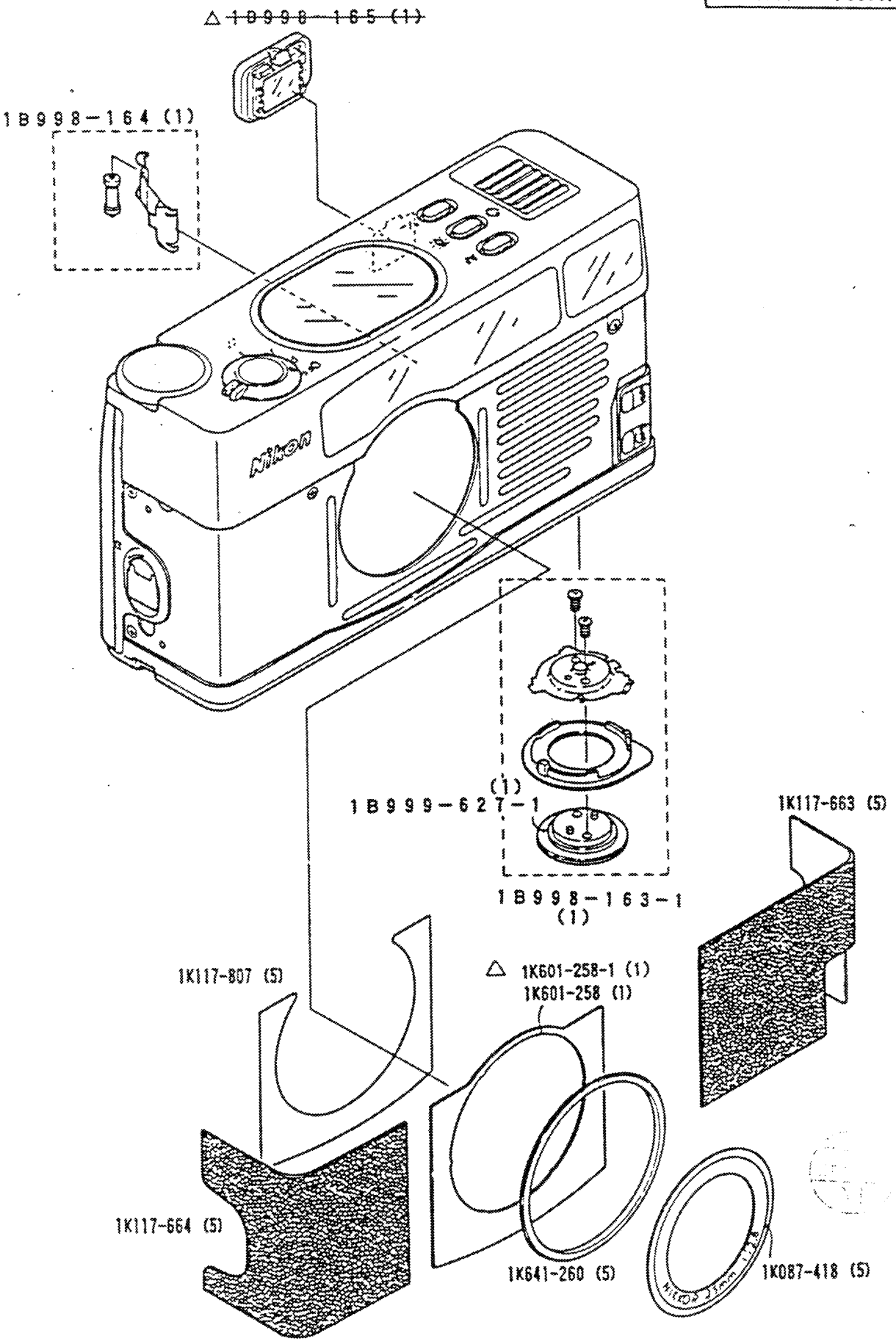
△ 1B998-165 (1)
1B998-164 (1)
Nikon
(1)
1B999-627-1
1B998-163-1
(1)
1K117-663 (5)
1K117-807 (5)
△ 1K601-258-1 (1)
1K601-258 (1)
1K117-664 (5)
1K641-260 (5)
1K087-418 (5)

Fig. 9

部品表 Parts List

FCA22001-R. 3339. B

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
△	1G118-011	G14	接眼レンズ Eyepiece lens	1	1B999-623	5 A1	○△	RP-9565 RP-9514. RP-9557	1
	1G780-015	G10	FD窓 FD Window	1		8 B2	○		5
△	*13-1頁の部品番号1G118-011はこの頁に移しましたので13-1頁は抜いて下さい。 *Parts No 1G118-011 is moved to this page No from page No 13-1. Please remove the page No 13-1.							RP-9565 RP-9557	

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AUG. 5. 1995

パーツセンター M

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
	1K001-089	840	Screw	2		7.8	○		10
	1K001-094	886	Screw	4		8 B3	○		10
*	1K010-108	801	Screw	4		2 B3	○	FEA50001 FCA13001	10
*	1K010-110	816	Screw	4		2.5 6	○	FCA13001 FCA09002	10
	1K010-111-1	814	Screw	16		1.3 4.5 8	○		10
*	1K010-112	813	Screw	6		4.6 7	○	FCA18001 FCA13001	10
*	1K010-114	812	Screw	11		3.4 5.8	○	FCA18001 FCA13001	10
△	1K010-117	809	Screw	1		6 B1	○	RP-9565 RP-9413	10
*	1K010-151	815	Screw	3		7 A2	○	FCA09002	10
	1K010-243	804	Screw	6		6.7	○		10
	1K010-245	811	Screw	4		1.6	○		10
	1K010-246	841	Shoulder screw	1		3 B3	○		10
	1K010-247	842	Shoulder screw	1		3 B3	○		10
	1K010-248	843	Shoulder screw	1		3 B3	○		10
	1K010-249	844	Shoulder screw	1		3 A3	○		10
OLD △	1K010-250	845	Shoulder screw	1		6 A3	○	RP-9565 RP-9557	10
NEW	1K010-272	848							
	1K010-251	847	Shoulder screw	1		6 A2	○		10
△	* 3頁の1K010-272は本頁に移しました。 * Parts No 1K010-272 is moved to this page No from page No 3.							RP-9565 RP-9557	

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AUG. 5. 1995

パーツセンター M

部品表 Parts List

FCA22001-R. 3339. B

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
	1K010-265	817	Screw	3		4 D3	○		10
	1K010-267	807	Screw	1		8 A3	○		10
△	* 1K050-037	—	ワッシャー (t=0.2) Adjust washer	2		2 B3	○	RP-9565 RP-9413 94F-2002	10
	1K050-414	612A	B・f調整環 (t=0.05) Adjust ring. BF	1		4 B3	○		5
	1K050-415	612B	B・f調整環 (t=0.06) Adjust ring. BF	1		4 B3	○		5
	1K050-416	612C	B・f調整環 (t=0.07) Adjust ring. BF	1		4 B3	○		5
	1K050-417	612D	B・f調整環 (t=0.08) Adjust ring. BF	1		4 B3	○		5
	1K050-418	612E	B・f調整環 (t=0.09) Adjust ring. BF	1		4 B3	○		5
	1K050-419	612F	B・f調整環 (t=0.10) Adjust ring. BF	1		4 B3	○		5
	1K083-237	196	電池シール Battery seal	1		1 B2	○		5
	1K087-418	616	銘板 Name plate	1		9 B3	○		5
	~~* 1K116-394~~ 1K117-860	194	上カバーモルト Sponge. Upper cover	1		8 B3	○	RP-9454 製技94F-2015参照	5
	* 1K116-470	195	フイルムガイドシール Seal, Film guide	1		1 B1	○	FCA09002 FCA13001	5
	* 1K116-970	527	接眼モルト Sponge, Eyepiece	1	1B999-623	5 A1	○△	FRW52801	5
	1K117-663	110	革(右側) Leatherette, SB side	1		9 B2	○		5
	1K117-664	111	革(左側) Leatherette, Release button side	1		9 A3	○		5
△	~~* 本頁の1K010-272は2頁に移しました。~~ * Parts No 1K010-272 is moved to 2 page.							RP-9565 RP-9557	

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AUG. 5. 1995

パーツセンター M

部品表 Parts List

FCA22001-R. 3339. B

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
	1K117-665	121	裏蓋革 Leatherette , Camera back	1		7 A1	○		5
△	1K117-666	127	パトロー ネモルト Spnge . Patorone	1		7 B1	○	RP-9565 RP-9413	5
	1K117-670	650	ゴムブッシュ Rubber bush	2		3 A3	○		5
	1K117-671	702	圧接ゴム Rubber , Press contact	5		6.7	○		5
	1K117-672	751	両面テープ . DX Double sided adhesive tape . DX	1		4 B2	○		5
	1K117-674	754	両面テープ 1 4×7 Double sided adhesive tape 1	6		4 A1	×	RP-9454 TA-0003	1 roll
	1K117-675	755	両面テープ 2 5×10 Double sided adhesive tape 2	4		4 A1	×	RP-9454 TA-0003	1 roll
	1K117-677	191	裏蓋モルト1 Sponge 1 , Back door	2		1 A1	○		5
	1K117-678	192	裏蓋モルト2 Sponge 2 , Back door	1		7 D2	○		5
	1K117-700	305	ストロボシート Sheet , SB	1		8 B1	○		5
	1K117-747	133	裏蓋モルト4 Sponge 4 , Back door	1	1B998-160	7 B1	○△		5
	1K117-750	525	目隠しモルト Shield sponge , Finder	1	1B999-623	5 A1	○△		5
	1K117-754	172	DB モルト DB sponge	1		2 B1	○		5
	1K117-755	147	横カバー目隠しシート Side cover shield sheet	1		8 B2	○		5
△	1K117-801	759	圧接絶縁テープ . AE圧接 5×8 Insulation tape. Press contact AE	1		1 A1	×	RP-9565 RP-9413 TA-0012	1 roll
△	1K117-802	760	Mリード線固定テープ 5×11 Fix tape . Lead wire M	1		5 B2	×	RP-9565 RP-9557 RP-9413 TA-0012	1 roll

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AUG. 5. 1995

パーツセンター M

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
△	1K117-803	762	針モジュールFPC 固定テープ 5×20 Fix tape . needle module FPC	1	1B060-554	8 B3	×	RP-9565 RP-9413 TA-0012	1 roll
△	1K117-804	529	絶縁テープ. LED-FPC Insulation tape. LED FPC	1		6 B1	×	RP-9565 RP-9413 TA-0009	1 roll
△	1K117-805	763	電池室目隠しテープ 10×10 Shield tape . Battery chamber	1		6 A2	×	RP-9565 RP-9413 TA-0013	1 set (20pcs)
	1K117-807	764	両面テープ (前カバー部) (Front cover) Double sided adhesive tape .	1		9 A3	○		5
△	1K117-810	765	トリガー飛び防止テープ Tape. Preventing trigger skipping	1		8 B1	○	RP-9565 RP-9413	5
△	1K117-812	138	ゴミ付着防止テープ. G10 62×1.2 ×t=1.2 Tape . Preventing dust adhering	1		6 B1	○	RP-9565 RP-9413	5
△	1K117-814	148	漏光防止テープ 8×8 Light baffle tape	1		2 A1	○	RP-9565 RP-9413	5
△	1K117-815	183	漏光防止テープ . DB Tape . Light proof for DB	1		5 A2	○	RP-9565 RP-9413	5
△	1K117-816	142	両面テープ Double sided adhesive tape	1		7 B2	○	RP-9565 RP-9413	5
	1K117-862	691	遮光モルト 2 5.5X4 Light tight sponge 2	1		2 B3	○	RP-9454	5
	1K117-863	692	遮光モルト 3 7.5X4 Light tight sponge 3	1		2 B3	○	RP-9454	5
	1K117-911	306	絶縁シート Insulating sheet	1		6 B1	○	RP-9454	5
	1K120-386	870	Screw	3		4 B3	○		10
	1K120-387	876	Screw	1		4 B3	○		10
△	1K120-388	883	Screw	2		2	○	RP-9565 RP-9557	10
	1K120-389	887	Screw	2		3 B3	○		10
	1K123-186	884	Screw	1		4 D1	○		10

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AUG. 5. 1995

パーツセンター M

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
OLD	1K150-093	173	パノラマレバー軸	1		2	○	RP-9454 製技94F-1031参照	5
NEW	1K150-093-1		Shaft . Panorama lever			B1			
	1K165-225	608	滑りシート（前部レンズ）	1		4	○		5
			Plastik sheet (front lens unit)			D3			
	1K165-226	705	圧接ゴム	1		6	○		5
			Rubber . Press contact			A1			
	1K201-108	411	コマンドダイヤル	1		8	○		5
			Command dial			A1			
	1K206-106	181	パノラマ操作ノブ	1		8	○		5
			Knob . Adjust panorama			A1			
	1K206-107	402	セレクトダイヤル	1		8	○		5
			Select dial			A1			
	1K220-381	405	レリーズ釦バネ	1		8	○		5
			Spring . Release button			A1			
	1K220-382	413	ボールバネ（411 用）	1		8	○		5
			Spring . Ball (For 411)			A3			
	1K220-383	452	DX バネ	6		4	○		5
			Spring . DX			A2			
	1K220-390	168	パノラマボールバネ	1		2	○		5
			Spring . Panorama ball			B1			
	1K225-243	151	鍵バネ	1		7	○		5
			Spring . Lock cover key			A2			
	1K225-251	164	引張りバネ	1		2	○	RP-9454 製技94F-1031参照	5
			Spring . Panorama lever			A1			
	1K230-398	643	遊星ねじりバネ	1		3	○		5
			Spring . Planetary gear			B2			
	1K233-086	664	バリヤ付勢バネ	1		4	○		5
			Spring . Lens cover			D1			
	1K240-909	134	パトローネ押さえ板	1		1	○		5
			Retainer plate . Patorone			A2			
	1K240-910	190	PI押さえ板	1		1	○		5
			Retainer plate . PI			A3			
	1K240-911	241	電池接片（＋側）	1		1	○		5
			Battery contact (+)			B1			
△	1K240-912	242	電池接片（－側）	2		1	○	RP-9565 RP-9413	5
			Battery contact (−)			B2			

Change page （差し替え）△×1

AUG. 5. 1995

パーツセンター M

部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
1K240-915	406	レリーズSW台 Switch plate . Release	1		8 A3	○		5
1K240-917	684	FOS SWバネ1 Switch-spring 1 . FOS	1		3 A2	○		5
1K240-918	685	FOS SWバネ2 Switch-spring 2 . FOS	1		3 A2	○		5
△ 1K240-919 1K240-919-2	687	BOS SWバネ1 Switch-spring 1 . BOS	1		3 B1	○	RP-9454 製技94F-1021参照	5
1K240-920	688	BOS SWバネ2 Switch-spring 2 . BOS	1		3 B1	○		5
1K260-660	186	データローラー軸 Shaft . Data roller	1		1 A2	○		5
1K260-661	187	Dギヤ D gear	1		1 A2	○		5
1K260-662	215	スプール Spool	1		1 B2	○		1
1K260-668	646	Iギヤ2（羽根車） I gear 2	1		3 B3	○		5
1K260-671	671	バリヤ開閉レバー Lens cover . O/C-lever	1		4 B1	○		5
1K260-673	675	Bギヤ5 B gear 5	1		4 B1	○		5
1K260-674	676	Bギヤ6 B gear 6	1		4 B1	○		5
1K277-160	634	Lギヤ4－5 L gear 4-5	1		3 B3	○		5
1K277-161	636	Lギヤ7－8 L gear 7-8	1		3 B3	○		5
1K277-163	673	Bギヤ1－2 B gear 1-2	1		4 B1	○		5
1K277-164	674	Bギヤ3－4 B gear 3-4	1		4 B1	○		5
1K360-061	146	蝶番軸 Shaft . Hinge	1		7 D1	○		5

Change page （差し替え）△×1

OCT. 11. 1994

パーツセンター M

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
	1K360-063	197	ストラップ軸 Shaft . Strap	1		7 C3	○		5
	1K371-793	180	圧入ピン Pin . Slide plate	2		2 A1	○		5
	1K371-798	401	レリーズ釦 Release button	1		8 A1	○		5
	1K437-206	619	直進キー2 Linear key 2	1		4 A1	○		1
OLD	1K601-258	101	前カバー Front cover	1		9 B3	○	RP-9454 外観色変更 Change visual color	1
NEW	1K601-258-1								
	1K601-262	176	パノラマレバー Lever . Panorama	1		2 B1	○		5
	1K601-263	188	D押さえ板 Retainer plate . D	1		1 A2	○		5
	1K601-265	408	クリック板 (S) Click plate (S)	1		8 A2	○		5
	1K601-266	414	クリック板 (C) Click plate (C)	1		8 A2	○		5
	1K601-267	418	コマンドダイヤル板 Command dial plate	1		8 A1	○		5
	1K601-268	522	採光窓 Lighting window	1		8 B1	○		5
	1K601-270	686	FOS絶縁板 Insulation plate . FOS	1		3 A2	○		5
	1K601-271	689	BOS絶縁板 Insulation plate . BOS	1		3 B1	○		5
	1K601-272	721	絶縁シート Insulation sheet	1		6 B3	○		5
	1K601-294	704	圧接板C (針) Press contact plate C	1		7 C2	○		5
△	1K601-310	202	ギアー押さえ板 Plate . Holding down gear	1		6 A3	○	RP-9565 RP-9557 RP-9413	5
	1K611-889	107	前カバー当て板 Front cover plate	1		7 D3	○		1

Change page (差し替え) △×1

AUG. 5. 1995

パーツセンター M

部品表 Parts List

FCA22001-R. 3339. B

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
	1K611-894	136	裏蓋蝶番 Hinge . Camera back	1		7 D2	○		1
OLD	1K611-897	145	横カバー Side cover	1		7 D2	○	RP-9454 外観色変更 Change visual color	1
NEW	1K611-897-2								
	1K611-902	182	ノブ押さえ板 Retainer knob plate	1		8 B2	○		5
	1K611-903	426	ファンクションSW裏打ち板 Line plate . Function switch	1		8 B3	○		5
	1K611-911	620	FPC押さえ Retainer . FPC	1		4 A1	○		5
	1K611-912	621	FPC ガイド板 Guide plate . FPC	1		4 A1	○		5
	1K611-913	622	FPC押さえ Retainer . FPC	1		4 B3	○		5
	1K611-915	652	ギヤヘリ押さえ Retainer gear edge	1		4 C1	○		5
	1K611-916	701	圧接板A (B2001) Press contact plate A	3		6 A1	○		5
	1K611-917	703	圧接板B (LCD) Press contact plate B	1		6 A2	○		5
	1K611-918	711	DX FPC押さえ (#1005) Retainer FPC . DX	1		5 B3	○		5
	1K611-974-1	163	バネ掛け板 Plate . Spring hook	1		2 A1	○	RP-9454 製技94F-1031参照	5
△	1K611-975-2	174	パノラマ板バネ Plate spring . Panorama	1		2 B2	○	RP-9565 RP-9557 RP-9454 製技94F-1031参照	5
	1K620-171	451	DX 接片 DX Contact	6		4 A2	○		5
	1K625-135	126	パトローネ窓 Window . Patorone	1	1B998-160	7 B2	○△		5
	1K641-260	109	飾りリング Decoration ring	1		9 B3	○		5
	1K641-261	185	デートローラー Roller . Date	1		1 A1	○		5

Change page (差し替え) △×1

AUG. 5. 1995

パーツセンター M

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
	1K641-262	615	前環 Front ring	1		4 D3	○		5
	1K681-407		巻戻しフォーク Rewind fork	1		1 A3	○△	RP-9522 サ技No. 95-05	5
	1K681-629	106	三脚ねじ Tripod screw	1		5 A3	○		5
	1K681-636	301	プロテクター Diffusor	1		8 B1	○		5
	1K681-637	403	取付けブロック Installation block	1		8 A2	○		5
	1K681-638	421	ファンクション釦 Function button	3		8 B2	○		5
	1K681-639	435	SB釦 SB-button	2		6 B3	○		5
	1K681-640	438	SB釦ブロック Block . SB-button	1		6 B3	○		5
	1K681-642	445	DB釦 Button . DB	2		7 C2	○		5
	1K681-643	448	保持モールド Mold	1		7 C2	○		5
	1K681-644	455	DX 押さえ Retainer plate . DX	1		4 A2	○		5
	1K681-652	613	後飾り Rear decoration	1		4 B3	○		1
	1K681-653	631	ギヤ台 Plate . Gear	1		3 A3	○		1
	1K681-654	641	系止レバー Stopper lever	1		3 B2	○		5
△	1K681-728	116	パトローネ規制モールド Mold . Controling patorone	1	1B998-160	7 B2	○△	RP-9565 RP-9557 RP-9413	5
OLD	1K999-127	104	底カバー Bottom cover	1		7 A3	○	No. 5001001～ RP-9454 外観色変更 Change visual color	1
NEW	1K999-127-1								
△	1K999-148		シャッターバクツキ防止テープ Tape . Shutter	1	1B999-754	4 D3	○	RP-9565 RP-9454 RP-9485 RP-9413 廃止部品の復活	10
△	1K999-149		シャッターバクツキ防止テープ Tape . Shutter	1	1B999-754	4 D3	○△	RP-9565 RP-9485 RP-9413 製技94F-1034参照	10

Change page （差し替え）△×3

AUG. 5. 1995

パーツセンター M

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
△	1K999-191		バリアストッパーゴム Stopper rubber	1		4 C1	○	RP-9604	5
△	1K999-192		バリアストッパー止めビス Stopper screw	1		4 C1	○	RP-9604	5
	1S190-028	1021	メイン CPU Main CPU	1	1S020-105	6 A3	○△		5
	1S190-029	1022	表示 CPU Pilot CPU.	1	1S020-105	6 A3	○△		5
	1S223-007	1023	MD IC MD IC	1	1S020-105	6 A3	○△		5
	1S424-036	1015	PTS SW Switch . PTS	1	1S020-105	6 A3	○△		5
	1S700-365	410	信号板 (S) Signal plate (S)	1		8 A3	○		5
	1S700-366	415	信号板 (C) Signal plate (C)	1		8 A2	○		5
	1S705-271	1005	DX FPC DX FPC	1		4 B2	○		5
	1S758-043	425	ファンクションラバーSW Rubber switch . Function	1		8 B3	○		5
	1S758-044	439	SB ラバーSW Rubber switch . SB	1		4 B3	○		5
	1S758-045	449	DB ラバーSW Rubber Switch . DB	1		7 C2	○		5
	1S768-001	715	M. U SW Switch . M.U	1		7 B3	○		5
	QF09C124XK		抵抗内蔵トランジスター(DTC124XK) Resistor in Transistor	1		6 B3	○	RP-9485 サ情94-16 改造用部品	1

Change page (差し替え) △×2

FEB. 01. 1996

パーツセンター M

部品表 Parts List

FCA22001-R. 3339. B

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
△	A1-17025FA	—	Screw	—		8 B3	○	RP-9565 RP-9413 94F-2008	10
	G1-14025FD	832	Screw	2		8 A3	○		10
	G1-14030FD	831	Screw	1		1 A2	○		10
	G1-17035FA	822	Screw	1		7 C1	○		10
	G1-17045FA	821	Screw	2		7 D3	○		10
△	G1-20025FD	—	Screw	—		7 A2	○	RP-9565 RP-9413 94F-2004	10
△	G1-20030FD	—	Screw	—		6 A2 A3	○	RP-9565 RP-9413 94F-2004	10
	G2-14030FS	839	Screw	1		2 A1	○		10
	G2-17030FD	837	Screw	2		7 C3	○		10
	G2-17035FA	836	Screw	4		7 B3	○		10
	G2-17040FA	835	Screw	2		7 D1	○		10
	G2-17050FD	834	Screw	1		7 C1	○		10
	R1-02000FY	855	LCD止め座金 Washer . Install LCD	1		6 B1	○		10
	S1-01200SX	857	Eリング (401) E ring	1		8 A1	○		10
	T1-01500SX1 (T1-01500SX)	858	ボール Ball	2		2 B1	○		10

Change page (差し替え) △×3

AUG. 5. 1995

パーツセンター M

部品表 Parts List

FCA22001-R. 3339. B

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
△	1G118-011	G14	接眼レンズ Eyepiece lense	1	1B999-623	5 A1	○△	RP-9514	1

Added page (追加) △×1

FEB. 3. 1995

パーツセンター

部組品表 Assembly List

FCA22001-R. 3339. B

	部組番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	大部組品番号 Main assembly No.	参照図番 Fig. No.	備考 Remarks	要求単位 Order Unit Q'ty
	1B002-078	B105	SW 部組 Switch unit	1		6 B3		1
	1B002-079	B130	裏蓋 SW部組 Back door Switch unit	1		6 B2		1
OLD △ NEW	1B002-087 1B002-087-2	B102	上カバー1 部組 Upper cover unit 1	1		8 B1	RP-9454 外観色変更 Change visual color	1
△	~~1B060-552~~ 1B999-754	B604	シャッター部組 Shutter unit	1		4 D3	RP-9454 製技94F-1034参照	1
	1B060-554	B428	針モジュール部組 Needle module unit	1		8 B3		1
	1B240-107	B404	ブラシS部組 Brush S unit	1		8 A3		1
	1B240-108	B416	ブラシC部組 Brush C unit	1		8 A3		1
	1B260-104	B672	バリア開閉ギヤ部組 Lens cover , O/C-gear unit	1		4 B1		1
	1B535-172	B602	ヘリコイド部組 Helicoid unit	1		4 C3		1
	1B570-108	B663	バリア部組 Lens cover unit	1		4 D2		1
	1B610-128	B149	裏蓋カギ部組 Lock key unit , Back door	1		7 A2		1
	*1B998-084	B234	巻き戻しフォーク部組 Rewind fork unit	1		1 A3	FCA13001	1
	1B998-143	B1032	PI 1部組 PI unit 1	1		1 A2		1
	1B998-144	B2201	巻上げギヤユニット2部組 Winding gear unit 2	1		1 B2		1
	1B998-145	B204	巻き戻し基板部組 Rewind base plate unit	1		1 A3		1
	1B998-146	B156	パノラマ部組 Panorama unit	1		2 B2		1

Change page (差し替え) △×2

OCT. 11. 1994

パーツセンター M

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	大部組品番号 Main assembly No.	参照図番 Fig. No.	備考 Remarks	要求単位 Order Unit Q'ty
	1B998-147	B175	デート遮光板部組 Light baffle plate unit	1		2 A2		1
OLD	1B998-148	B179	スライド板部組 Slide plate unit	1		2 A1	RP-9454 製技94F-1031参照	1
NEW	1B998-148-1							
	1B998-149	B162	P SW基板部組 P switch base plate unit	1		2 B2		1
	1B998-150-1 (1B998-150)	E2004	LED FPC FPC . LED	1		6 B1	RP-9565 RP-9413	1
	1B998-151	B511	LCD LCD	1		6 B1		1
	1B998-153	B150	開閉ノブ部組 Lock knob unit . Camera back	1		7 A3		1
	1B998-157	B1006	ダイヤルFPC部組 Dial FPC unit	1		8 A3		1
OLD	1B998-160	B115	裏蓋1部組 Camera back unit 1	1		7 B1	RP-9454 外観色変更 Change visual color	1
NEW	1B998-160-2							
	1B998-161	B117	圧板部組 Pressure plate unit	1		7 B2		1
	1B998-163-1 (1B998-163)	B113	電池蓋部組 Battery chamber lid unit	1		9 B2	RP-9565 RP-9406	1
	1B998-164	B246	本体ローラー部組 Main frame roller unit	1		9 A1		1
△	~~1B998-165~~	B518	接眼枠部組 Eyepiece frame unit	1		9 A1	RP-0018	1
	1B998-166	B640	遊星ギア部組 Planetary gear unit	1		3 B3		1
	1B998-167	B649	ギア部組 Gear unit	1		3 B3		1

部組品表 Assembly List

FCA22001-R. 3339. B

	部組番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	大部組品番号 Main assembly No.	参照図番 Fig. No.	備考 Remarks	要求単位 Order Unit Q'ty
	1B998-168	B1011	Lモーター部組 L Motor unit	1		3 A3		1
	1B998-169	B2032	PI 2部組 PI unit 2	1		3 A3		1
	1B998-171	B1013	赤目ランプ Lamp . Prevent Red eye	1	1B998-173	3 A1		1
OLD △ NEW	1B998-173 1B998-173-1	B2531	AFブロック2部組 AF Block unit 2	1		3 A1	RP-9565 RP-9482 RP-9454 サ技94-23 参照	1
	1B998-174	B605	前群部組 Front lens unit	1		4 D3		1
	1B998-178	B610	後群部組 Rear lens unit	1		4 B3		1
	1B998-185	B440	PTS ノブ Knob unit . PTS	1		6 B2		1
	1B999-623		ファインダー部組 Finder unit	1		5 A1		1
	1B999-624		暗箱部組 Dark box unit	1		3 B2		1
△	1B999-627-1 (1B999-627)		コインスロット部組 Coin slot unit	1	1B998-163-1	9 B2	RP-9565 RP-9406	1

Change page (差し替え) △×2

AUG. 5. 1995

パーツセンター M

部品表 Parts List

FCA22101-R. 3339. B

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
OLD △ NEW	1K999-128 1K999-128-1	104	底カバー Bottom cover	1		7 A3	○	NO. USA 4001001～ RP-9454 外観色変更 Change visual color	1

Change page （差し替え）△×1

OCT. 11. 1994

パーツセンター M